

Table D-B-1
Nitrogen Oxides (NO_x) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLC ID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
FL-0356	ORFECORBE CLEAN ENERGY CENTER	3/9/2016	Auxiliary Boiler, 99.8 MMBtu/hr	Natural gas	99.8	MMBtu/hr	Fires only natural gas. Limited to 2000 hr/yr.	Low-NOx burners		0.05 LB/MMBTU		0				0	
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	NATURAL GAS AUXILIARY BOILERS (EU-012A, EU-012B, EU-012C)	NATURAL GAS	218.6	MMBTU/H		LOW NOX BURNERS WITH FLUE GAS RECIRCULATION AND GOOD COMBUSTION PRACTICES	20.4	LB/MMCF EACH	3 HOUR AVERAGE	1877.39	MMCF/12 MONTH EACH	ROLLING AVERAGE		0	
LA-0305 LA-0307	LAKE CHARLES METHANOL FACILITY MAGNOLIA LNG FACILITY	6/30/2016 3/21/2016	Auxiliary Boilers and Superheaters Auxiliary boilers	Natural Gas	0 171	mm btu/hr	Supplement fuel: fuel gas Boilers: 225 MM BTU/hr each	SCR Low Nox burners	0.015 0	LBS/MM BTU		0 0				0 0	
MI-0420	DTE GAS COMPANY--MILFORD COMPRESSOR STATION	6/3/2016	FGAUXBOILERS	Natural gas	6	MMBTU/H	Two natural gas-fired auxiliary boilers, each rated at 6 MMBTU/H fuel heat input. The boilers are identified as EUAUXBOIL2 and EUAUXBOIL3 within the flexible group FGAUXBOILERS. The boilers are subject to 40 CFR Part 63 Subpart DDDDD, which requires tune ups.	Ultra low NOx burners and good combustion practices.	14	PPMVOL	AT 15%O2; TEST PROTOCOL	0				0	
MI-0423	INDECK NILES, LLC	1/4/2017	EUAUXBOILER (Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Low NOx burners/Flue gas recirculation and good combustion practices.	0.04	LB/MMBTU	30 DAY ROLLING AVG TIME PERIOD	0				0	
MI-0424	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/5/2016	EUAUXBOILER (Auxiliary boiler)	natural gas	83.5	MMBTU/H	One natural gas fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EUAUXBOILER)	Low NOx burners/Internal flue gas recirculation and good combustion practices.	0.05	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	0				0	
MI-0426	DTE GAS COMPANY - MILFORD COMPRESSOR STATION	3/24/2017	FGAUXBOILERS (6 auxiliary boilers EUAUXBOIL2A, EUAUXBOIL3A, EUAUXBOIL2B, EUAUXBOIL3B, EUAUXBOIL2C, EUAUXBOIL3C)	Natural gas	3	MMBTU/H	Four natural gas-fired auxiliary boilers, each rated at 3 MMBTU/H fuel heat input (EUAUXBOIL2A, EUAUXBOIL3A, EUAUXBOIL2B and EUAUXBOIL3B in FGAUXBOILERS) and two natural gas-fired auxiliary boilers, each rated at 1 MMBTU/H fuel heat input (EUAUXBOIL2C and EUAUXBOIL3C in FGAUXBOILERS). The boilers are subject to 40 CFR Part 63 Subpart DDDDD which requires tune ups.	Ultra-low NOx burners and good combustion practices.	20	PPM AT 3% O2	EACH 3 MMBTU/H BOILER	30-DAY ROLLING AVG TIME PERIOD	9 PPM AT 3% O2	EACH 1 MMBTU/H BOILER			0
*MI-0433	MEC NORTH, LLC and MEC SOUTH LLC	6/29/2018	EUAUXBOILER (North Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Low NOx burners/flue gas recirculation and good combustion practices.	0.04	LB/MMBTU		0				0	
*MI-0433	MEC NORTH, LLC and MEC SOUTH LLC	6/29/2018	EUAUXBOILER (South Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/h	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Low NOx burners/flue gas recirculation and good combustion practices.	0.04	LB/MMBTU		0				0	
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUAUXBOILER: Auxiliary Boiler	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTGHRSG train and to provide steam to the steam turbine generator seals. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Low NOx burners/Flue gas recirculation.	0.036	LB/MMBTU	HOURLY	3.6	LB/H	HOURLY		0	
*WV-0029	HARRISON COUNTY POWER PLANT	3/27/2018	Auxiliary Boiler	Natural Gas	77.8	mmbtu/hr	Annual emission based on 4600 hours/year.	LNB, FGR, Good Combustion Practices	0.86	LB/HR		1.96	TONS/YEAR			0.0011	LB/MMBTU
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.	Selective Catalytic Reduction		PPMVD @ 15% O2	3-HR AVG @ 15 % O2	0				0	
AL-0230	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	8/17/2007	3 NATURAL GAS-FIRED BOILERS WITH ULNB & EGR (537-539)	NATURAL GAS	64.9	MMBTU each	THIS PROCESS IS COVERED UNDER 503-0095-3026.	ULNB & EGR (ULTRA-LOW NOX BURNERS (ULNB)/EXHAUST GAS RECIRCULATION (EGR) AS SAME FLUE GAS RECIRCULATION, (FGR)	0.035	LB/MMBTU		2.27	LB/H			0	
AL-0231	NUCOR DECATUR LLC	6/12/2007	VACUUM DEGASSER BOILER	NATURAL GAS	95	MMBTU/H		ULTRA LOW NOX BURNERS	0.035	LB/MMBTU		3.33	LB/H			0	
AR-0090	NUCOR STEEL, ARKANSAS	4/3/2006	PICKLE LINE BOILERS, SN-52	NATURAL GAS	12.6	MMBTU EACH		LOW NOX BURNERS	2.9	LB/H		12.4	T/YR		0.075	LB/MMBTU	
CA-1127	GENENTECH, INC.	9/27/2005	BOILER, >= 50 MMBTU/H	NATURAL GAS	97	MMBTU/H	EQUIP: WATERTUBE, MFR: NEBRASKA BOILER, INC., TYPE: STEAM BOILER, MODEL: NS-E-64-ST-CAHM-AL, FUNC: EQUIP: PROVIDE STEAM AND HOT WATER., FUEL TYPE: MAY INSTALL DIESEL OIL BACKUP IN FUTURE., SCHEDULE: CONTINUOUS, HD: 24, DW: 7, W/Y: 52, NOTES: THREE IDENTICAL STEAM BOILERS INSTALLED. FACILITY CONSIDERING ADDING BACK-UP DIESEL OIL FIRING CAPABILITY FOR EMERGENCY USE. SOURCE TEST RESULTS: SOURCE TEST RESULTS PENDING.	ULTRA LOW NOX BURNERS: NATCOM P-97-LOG-35-2127	9	PPMVD @ 3% O2	THREE 30-MIN SAMP PERIODS AV	0				0	
CA-1128	COTTAGE HEALTH CARE - PUEBLO STREET	5/16/2006	BOILER: 5 TO <h; 33.5 MMBTU/H	NATURAL GAS	25	MMBTU/H (75	EQUIP: THREE 25 MMBTU/H STEAM BOILERS WITH FUEL OIL (AMBER 363) BACKUP, MFR: CLEAVER-BROOKS, TYPE: STEAM BOILER, MODEL: 4W1700-600-1N5T, FUNC: EQUIP: PROVIDES HEAT TO A NEW HOSPITAL, FUEL TYPE: BACKUP WITH AMBER 363 (BACT) UP TO 92 BPS/YR, SCHEDULE: CONTINUOUS, HD: 24, DW: 7, W/Y: 52, NOTES: BACT FOR BACKUP FUEL OIL IS: USE OF LOW NITRIGEN FUEL (AMBER 363) AND A LOW NOX BURNER. NOX BACT IS 40 PPMVD AT 3% O2 AND CO BACT IS 50 PPMVD AT 3% O2. SOURCE TEST RESULTS:	ULTRA-LOW NOX BURNER	9	PPMVD @ 3% O2	6-MIN AV	0				0	
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	3/11/2010	AUXILIARY BOILER	NATURAL GAS	35	MMBTU/H		OPERATIONAL RESTRICTION OF 500 HB/YR	9	PPMVD @ 3% O2	1-HR AVG, @3% O2	0				0	
CA-1192	AVENAL ENERGY PROJECT	6/21/2011	AUXILIARY BOILER	NATURAL GAS	37.4	MMBTU/H		ULTRA LOW NOX BURNER, USE PUC QUALITY NATURAL GAS, OPERATIONAL RESTRICTION OF 46, 675 MMBTU/YR	9	PPMVD @ 3% O2	3-HR AVG, @3% O2	0				0	
FL-0286	FPL WEST COUNTY ENERGY CENTER	1/10/2007	TWO 99.8 MMBTU/H GAS-FUELED AUXILIARY BOILERS	NATURAL GAS	99.8	MMBTU/H	PRODUCE 85,000 LB/HR STEAM EACH		0.05	LB/MMBTU		0				0	
FL-0335	SUWANNEE MILL KIAMOTORS MANUFACTURING	9/5/2012	Four(4) Natural Gas Boilers - 46 MMBtu/hour	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas-fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought on line. Finally, the two biomass boilers will be built and brought on line.	Low NOx Burner and Flue Gas Recirculation	0.036	LB/MMBTU		0				0	
GA-0130	BOILERS AND HEATERS	7/27/2007	BOILERS AND HEATERS	NATURAL GAS			BOILERS AND HEATERS	LOW NOX BURNERS ON BOILER BURNERS	30	PPMVD @ 3% O2	BOILERS	0.09	LB/MMBTU	HEATERS		0	
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler TWO (2)	natural gas	60.1	mmbtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period	use of natural gas	0.013	LB/MMBTU		0				0	
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	LOW NOX BURNER WITH FLUE GAS RECIRCULATION	0.032	LB/MMBTU	3 HOURS	2.56	LB/H	3 HOURS		0	
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBtu/hr		ultra low NOx burners	0.011	LB/MMBTU	1 HR BLOCK AVG DOES NOT APPLY DURING SS	9	PPMVD @ 3% O2	1 HR BLOCK AVG DOES NOT APPLY DURING SS		0	

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RBLCD	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
MD-0037	MEDIMMUNE FREDERICK CAMPUS	1/28/2008	FOUR (4) NATURAL GAS BOILERS EACH RATED AT 29.4 MILLION BTU PER HOUR	NATURAL GAS	29.4	MMBTU/H	EACH OF THE FOUR BOILERS BURN NATURAL GAS WITH NO. 2 FUEL OIL AS A BACK UP FUEL (FUEL OIL LIMITS ARE LISTED AS A SEPARATE PROCESS).	ULTRA LOW NOX BURNERS ON EACH OF THE FOUR IDENTICAL BOILERS			VOL. DRY BASIS, CORR. TO 3% O2				0.011	LB/MMBTU	
MD-0040	CPV ST CHARLES	11/12/2008	BOILER	NATURAL GAS	93	MMBTU/H		LOW NOX WITH FGR	0.011	LB/MMBTU	3-HR AVERAGE		0		0		
*MD-0041	CPV ST. CHARLES	4/23/2014	AUXILIARY BOILER	NATURAL GAS	93	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF LOW-NOX BURNER TECHNOLOGY, FLUE GAS RECIRCULATION (FGR), GOOD COMBUSTION CONTROLS, MAX HEAT INPUT OF 372,000 MMBTU/HR	EXCLUSIVE USE OF NATURAL GAS, ULTRA LOW-NOX BURNERS, AND FLUE GAS RECIRCULATION (FGR)	0.011	LB/MMBTU	3-HOUR AVERAGE		0		0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.01	LB/MMBTU	3-HOUR BLOCK AVERAGE		0		0		
*MI-0410	THETFORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers < 100 MMBTU/H heat input each	natural gas	100	MMBTU/H heat input each	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input. Fuel usage limited to not more than 416.3 MMscf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Low NOx burners and flue gas recirculation.	0.05	LB/MMBTU	TEST PROTOCOL		0		0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EUAUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBtu/hr fuel heat input (EUAUXBOILERB within flexible group FGAUXBOILERS).	Dry low NOx burners, flue gas recirculation and good combustion practices.	0.05	LB/MMBTU	TEST PROTOCOL		0		0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EUAUXBOILERA)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBtu/hr fuel heat input (EUAUXBOILERA within flexible group FGAUXBOILERS).	Low NOx burners and good combustion practices.	0.05	LB/MMBTU	TEST PROTOCOL		0		0		
NH-0015	CONCORD STEAM CORPORATION	2/27/2009	BOILER 3 (AUXILIARY)	NATURAL GAS	76.8	MMBTU/H	AUXILIARY BOILERS 2 AND 3 PROVIDE BACKUP STEAM TO THE CITY OF CONCORD STEAM DISTRICT (MOSTLY PROVIDES BUILDING HEAT TO BUSINESSES IN THE DOWNTOWN AREA OF CONCORD) WHEN BOILER 1 IS OUT OF SERVICE FOR SCHEDULED AND UNSCHEDULED MAINTENANCE WORK.	LOW NOX BURNERS, FLUE GAS RECIRCULATION, AND LESS THAN 700 HOURS OF OPERATION PER CONSECUTIVE 12 MONTH PERIOD.	0.032	LB/MMBTU	AVERAGE OF 3 1-HOUR TEST RUNS		0		0.032	LB/MMBTU	AVERAGE OF 3 1-HOUR TEST RUNS
NH-0015	CONCORD STEAM CORPORATION	2/27/2009	BOILER 2 (AUXILIARY)	NATURAL GAS	76.8	MMBTU/H	AUXILIARY BOILERS 2 AND 3 PROVIDE BACKUP STEAM TO THE CITY OF CONCORD STEAM DISTRICT (MOSTLY BUILDING HEAT IN DOWNTOWN CONCORD) WHEN BOILER 1 IS OUT OF SERVICE FOR SCHEDULED AND UNSCHEDULED MAINTENANCE WORK. The auxiliary boiler will have a maximum rated heat capacity of 91.6 MMBtu/h and will be limited to natural gas firing only. It will be operated for the purposes of supplying steam during the start-up of the combined cycle unit.	LOW NOX BURNERS, FLUE GAS RECIRCULATION, AND LESS THAN 700 HOURS OPERATION PER CONSECUTIVE 12 MONTH PERIOD.	0.032	LB/MMBTU	AVERAGE OF 3 1-HOUR TEST RUNS		0		0.032	LB/MMBTU	AVERAGE OF 3 1-HOUR TEST RUNS
NJ-0079	WOODBIDGE ENERGY CENTER	7/25/2012	Commercial/Institutional size boilers less than 100 MMBtu/hr	natural gas	91.6	MMBtu/hr	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	Low NOx burners	0.01	LB/MMBTU	AVERAGE OF THREE TESTS		0.92	LB/H	AVERAGE OF THREE TESTS	0	
NJ-0080	HESS NEWARK ENERGY CENTER	11/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	51.9	mmmbtu/hr		Low NOx burners and flue gas recirculation.	0.05	LB/MMBTU	AVERAGE OF THREE TESTS		0.66	LB/H	AVERAGE OF THREE TESTS	0	
NV-0044	HARRAHS OPERATING COMPANY, INC.	1/4/2007	COMMERCIAL/INSTITUTIONAL SIZE BOILERS	NATURAL GAS	35.4	MMBTU/H	THE BACT DETERMINATIONS REPORTED HEREIN ARE SPECIFICALLY FOR THE TWO HURST BOILERS INSTALLED AT CAESARS PALACE. EACH OF THEM HAS A RATED HEAT INPUT OF 35.4 MMBTU/HR. THE PERMITTING ACTION ALSO APPROVED THE INSTALLATION OF A NUMBER OF SMALL BOILERS, ALL OF WHICH HAVE A RATED HEAT INPUT BELOW THE THRESHOLD OF INSTITUTIONAL SIZE. NATURAL GAS IS THE ONLY FUEL USED FOR ALL BOILERS FOR THIS FACILITY. THE TOTAL INCREASE OF RATED HEAT INPUT FOR ALL THE NEW BOILERS IS 100.7 MMBTU/HR. THE TWO NEW HURST BOILERS HAVE THE COMBINED RATED HEAT INPUT OF 70.8 MMBTU/HR, ACCOUNTING FOR 70% OF THE TOTAL INCREASE.	LOW-NOX BURNER AND FLUE GAS RECIRCULATION	0.035	LB/MMBTU	29	PPMVD @ 3% O2	3% OXYGEN	0.035	LB/MMBTU		
NV-0047	NELLIS AIR FORCE BASE	2/26/2008	BOILERS/HEATERS - NATURAL GAS-FIRED	NATURAL GAS			UNIT R8013 (RITE BOILER, 6.5 MMBTU/HR) IS SELECTED TO SHOW THE BACT DETERMINATIONS. THE EMISSION UNIT IS A CLEVER BROOKS BOILER AT HARRAHS LAS VEGAS. UNIT HA08 IS IDENTICAL TO HA09 AND HA10. THE SAME SET OF EMISSION LIMITS APPLIES TO EACH OF THE THREE BOILERS. THE THREE BOILERS ARE SUBJECT TO THE LIMIT OF TOTAL ANNUAL OPERATING TIME FOR 20,000 HOURS PER YEAR. THERE ARE NO BOILERS AT HARRAHS LAS VEGAS, WHICH HAS A THROUGHPUT CAPACITY IN EXCESS OF 10 MMBTU/HR. NO BACT DETERMINATIONS FOR ANY EMISSION UNITS AT BILLYS GAMBLIN' HALL & SALON ARE REPORTED HEREIN BECAUSE ALL OF THEM HAVE A VERY SMALL POTENTIAL TO EMIT FOR ANY POLLUTANT.	LOW-NOX BURNER AND FLUE GAS RECIRCULATION	0.03	LB/MMBTU	25	PPMVD @ 3% O2	3% OXYGEN	0.03	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT HA08	NATURAL GAS	8.37	MMBTU/H	UNIT FL01 IS A JOHNSON BOILER AT FLAMINGO LAS VEGAS. THIS UNIT MAY OPERATE 8,760 HOURS PER YEAR.	EQUIPPED WITH A LOW-NOX BURNER	0.0146	LB/MMBTU	12	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0146	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT FL01	NATURAL GAS	14.34	MMBTU/H	UNIT BA01 IS A KEWANE BOILER AT BALLY'S LAS VEGAS. UNIT BA01 IS IDENTICAL TO UNIT BA02. THE TWO BOILERS ARE SUBJECT TO THE ANNUAL LIMIT OF COMBINED TOTAL OPERATING TIME FOR 10,900 HOURS PER YEAR.	LOW NOX BURNER AND FLUE GAS RECIRCULATION	0.0353	LB/MMBTU	29	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0353	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA01	NATURAL GAS	16.8	MMBTU/H	UNIT BA03 IS A KEWANE BOILER AT BALLY'S LAS VEGAS. THE ANNUAL OPERATING TIME IS LIMITED TO 2,920 HOURS PER YEAR.	LOW-NOX BURNER AND BLUE GAS RECIRCULATION	0.03	LB/MMBTU	25	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.03	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA03	NATURAL GAS	31.38	MMBTU/H		LOW-NOX BURNER	0.0306	LB/MMBTU	25	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0306	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP01	NATURAL GAS	35.4	MMBTU/H	UNIT CP01 IS A HURST BOILER AT CAESARS PALACE. UNIT CP01 IS IDENTICAL TO UNIT CP02. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	LOW NOX BURNER	0.035	LB/MMBTU	29	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.035	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP03	NATURAL GAS	33.48	MMBTU/H	UNIT CP01 IS A BURNHAM BOILER AT CAESARS PALACE. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	LOW NOX BURNER	0.0367	LB/MMBTU	30	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0367	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP26	NATURAL GAS	24	MMBTU/H	UNIT CP26 IS A UNILUX BOILER AT CAESARS PALACE. THE UNIT IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	LOW NOX BURNER	0.0108	LB/MMBTU	9	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0108	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT PA15	NATURAL GAS	21	MMBTU/H	UNIT PA15 IS A BRYAN BOILER AT PARIS CASINO RESORT. UNIT PA15 IS IDENTICAL TO UNIT PA16. UNIT PA14 IS A BRYAN BOILER RATED AT 17.0 MMBTU/HR. EACH OF THE THREE BOILERS IS SUBJECT TO THE LIMIT OF ANNUAL OPERATING TIME FOR 4,380 HOURS PER YEAR. THEY SHARE THE SAME BACT DETERMINATIONS ON THE PER MMBTU BASIS.	LOW NOX BURNER	0.0366	LB/MMBTU	30	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0366	LB/MMBTU		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT IP04	NATURAL GAS	16.7	MMBTU/H	UNIT IP04 IS A KEWANE BOILER AT IMPERIAL PALACE. UNIT IP04 IS IDENTICAL TO UNIT IP05. EITHER BOILER IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	LOW NOX BURNER	0.049	LB/MMBTU	40.2	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0049	LB/MMBTU		
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC001, CC002, AND CC003 AT CITY CENTER	NATURAL GAS	41.64	MMBTU/H	THE THREE UNITS ARE IDENTICAL NEBRASKA BOILERS, EACH OF WHICH IS RATED AT 41.64 MMBTU/HR. EACH UNIT IS ALLOWED TO OPERATE 24 HOURS DAY AND UP TO 5,800 HOURS YEAR. THE EMISSION LIMITS REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	LOW NOX BURNER AND FLUE GAS RECIRCULATION	0.011	LB/MMBTU	9	PPMVD @ 3% O2	CORRECTED TO 3.0% OXYGEN	0.011	LB/MMBTU		
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC026, CC027 AND CC028 AT CITY CENTER	NATURAL GAS	44	MMBTU/H	THE THREE UNITS ARE IDENTICAL CATERPILLAR BOILERS, EACH RATED AT 44 MMBTU/HR. EACH UNIT IS SUBJECT TO THE ANNUAL LIMIT OF OPERATING TIME TO 5,800 HOURS. THE EMISSION LIMITS ARE BASED ON THE ATC PERMIT FOR MODIFICATION #13 DATED NOVEMBER 30, 2009.	LOW NOX BURNER AND GOOD COMBUSTION PRACTICES	0.0109	LB/MMBTU	9	PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0109	LB/MMBTU		
NY-0095	CATTINES BELLPORT ENERGY CENTER	5/10/2006	AUXILIARY BOILER	NATURAL GAS	29.4	MMBTU/H	4800 H/YR TWO BOILERS WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION. WITH #2 OIL BACKUP	LOW NOX BURNERS & FLUE GAS RECIRCULATION	0.011	LB/MMBTU	0			0			
OH-0309	TOLEDO SUPPLIER PARK- PAINT SHOP	5/3/2007	BOILER (2), NATURAL GAS	NATURAL GAS	20.4	MMBTU/H	TWO SET OF LIMITS, THIS ONE FOR NATURAL GAS	LOW NOX BURNERS AND FLUE GAS RECIRCULATION	0.72	LB/H	3.5 T/YR			0.035	LB/MMBTU		
OH-0323	TITAN TIRE CORPORATION OF BRYAN	6/5/2008	BOILER	NATURAL GAS	50.4	MMBTU/H			2.47	LB/H		10.82 T/YR		50	LB/MMSCF	AP-42 FACTOR	
*OH-0350	REPUBLIC STEEL	7/18/2012	Steam Boiler	Natural Gas	65	MMBtu/H	Natural Gas-fired steam boiler to vacuum tank degasser		0.07	LB/MMBTU		0			0		

Table D-B-1
Nitrogen Oxides (NO_x) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION	
*OH-0352	OREGON CLEAN ENERGY CENTER	6/18/2013	Auxiliary Boiler	Natural Gas	99	MMBTU/H	99 MMBTU/H auxiliary boiler with low-NOx burners and flue gas re-circulation, burning only natural gas. Boiler restricted to 2000 hours of operation per rolling 12-months.	low NOx burners and flue gas recirculation	1.98	LB/H		1.98	T/YR		PER ROLLING 12-MONTHS	0.02	LB/MMBTU	
OK-0129	CHOTEAU POWER PLANT	1/23/2009	AUXILIARY BOILER	NATURAL GAS	33.5	MMBTU/H		LOW-NOX BURNERS	0.07	LB/MMBTU		2.36	LB/H			0		
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.	LOW-NOX BURNERS AND GOOD COMBUSTION PRACTICES	4	LB/H	3-H/168-H ROLLING CUMULATIVE	0.2	LB/MMBTU		STATE LIMIT	0		
OK-0137	PONCA CITY REFINERY	2/9/2009	TB-1 Leased Boiler No. 1	Natural Gas	95	MMBTU/H		Ultra-low NOx burners (0.036lb/MMBTU)	3.42	LB/H	365 DAY ROLLING AVERAGE	15	T/YR		365 DAY ROLLING AVERAGE	0		
OK-0137	PONCA CITY REFINERY	2/9/2009	TB-2 Leased Boiler No.2	Natural Gas	95	MMBTU/H		ULNB- Ultra-low NOx burners , 0.036lb/MMBTU	3.42	LB/H	365 DAY ROLLING AVERAGE	15	T/YR		365 DAY ROLLING AVERAGE	0		
OR-0048	CARTY PLANT	12/29/2010	NATURAL GAS-FIRED BOILER	NATURAL GAS	91	MMBTU/H		LOW NOX BURNERS	4.5	LB/H		0				0		
*OR-0050	TROUTDALE ENERGY CENTER, LLC	3/5/2014	Auxiliary boiler	natural gas	39.8	MMBTU/hr		Utilize Low-NOx burners and FGR.	0.035	LB/MMBTU	3-HR BLOCK AVERAGE	0				0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.011	LB/MMBTU		1.01	T/YR		12-MONTH ROLLING TOTAL	0		
SC-0112	NUCOR STEEL - BERKELEY	5/5/2008	VACUUM DEGASSER BOILER	NATURAL GAS	50.21	MMBTU/H		ULTRA-LOW NOX NATURAL GAS FIRED BURNERS	0.035	LB/MMBTU		1.76	LB/H			0.035	LB/MMBTU	
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU003	NATURAL GAS	46	MMBTU/H			0.036	LB/MMBTU	3-HOUR	1.66	LB/H		1-HOUR	0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU004	NATURAL GAS	46	MMBTU/H			0.036	LB/MMBTU	3-HOUR	1.66	LB/H		1-HOUR	0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU005	NATURAL GAS	46	MMBTU/H			0.036	LB/MMBTU	3-HOUR	1.66	LB/H		1-HOUR	0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H			0.036	LB/MMBTU	3-HOUR	1.66	LB/H		1-HOUR	0		
*TN-0160	VOLKSWAGEN GROUP OF AMERICA, CHATTANOOGA OPERATIONS	10/10/2008	NATURAL GAS-FIRED BOILERS (3)	NATURAL GAS	24	MMBTU/H	THROUGHPUT IS HEAT INPUT FOR EACH BOILER.	LOW-NOX BURNERS, FLUE GAS RECIRCULATION	30	PPMVD @ 3% O2	3% O2 DRY BASIS	0				0		
TX-0501	TEXTAR GAS PROCESS FACILITY	7/11/2006	POWER STEAM BOILER	NATURAL GAS	93	MMBTU/H			8.39	LB/H		7.03	T/YR			0		
TX-0575	SABINA PETROCHEMICALS LLC	8/20/2010	BOILER	NATURAL GAS	228	SCF/H	THE BOILER, EPS BLR, HAS SCR WITH LOW NOX BURNERS, A NOX LONG-TERM EMISSION FACTOR OF 0.007 LB NOX/MMBTU AND A SHORT-TERM EMISSION FACTOR OF 0.020 LB NOX/MMBTU TO ACCOMMODATE FOR HOT STANDBY. BECAUSE OF THE LOW ANNUAL EMISSION FACTOR, THIS WAS ACCEPTED AS LAER.	LOW NOX BURNERS AND SCR	0.02	LB/MMBTU	HOURLY	0.007	LB/MMBTU		ANNUAL	0		
*TX-0713	TENASKA BROWNSVILLE GENERATING STATION	4/29/2014	boiler	natural gas	90	MMBTU/hr	50% annual capacity factor	ultra low-NOx burners, limited use	9	O2	@15% O2	0				0		
*TX-0714	S K BRIDGTON ELECTRIC GENERATING STATION	12/19/2014	boiler	natural gas	80	MMBTU/hr	operation limitation of 4,000 hours per year	low-NOx burners	0.036	LB/MMBTU	3-HR ROLLING	0				0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial-Size Boilers/Furnaces	natural gas	40	MMBTU/hr	Hot oil heater	Low NOx burners	0.036	LB/MMBTU		0				0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial-Size Boilers/Furnaces	natural gas	95.7	MMBTU/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Low NOx burners and flue gas recirculation	0.011	LB/MMBTU		0				0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial-Size Boilers/Furnaces	natural gas	13.2	MMBTU/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.		0.1	LB/MMBTU		0				0		
*WY-0075	CHEYENNE PRAIRIE GENERATING STATION	7/16/2014	Auxiliary Boiler	natural gas	25.06	MMBTU/hr		Ultra low NOx burners and flue gas recirculation	0.0175	LB/MMBTU	3 HOUR AVERAGE	0.4	LB/H		3 HOUR AVERAGE	0		
LA-0240	FLOPAM INC.	6/14/2010	Boilers	natural gas	25.1	MMBTU/H		Ultra Low NOx Burners	0.38	LB/H	HOURLY MAXIMUM	9	PPMVD @ 3% O2	(2) OR (1)		0.015	LB/MMBTU	(1) OR (2)
*MI-0393	RAY COMPRESSOR STATION	10/14/2010	Auxiliary Boiler	natural gas	12.25	MMBTU/H	Boiler provides building heat.	Low NOx burner.	0.43	LB/H	TEST METHOD	0.035	LB/MMBTU			0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC LLC/ONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBTU/hr		Use of natural gas	1.01	T/YR	12-MONTH ROLLING TOTAL	0				0		
	Astoria Energy LLC		Auxiliary Boiler	Natural Gas	99	MMBTU/hr		Clean Fuel	0.011	LB/MMBTU	1-hr average	1.09	LB/H		3-hour block average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBTU/hr		Pipeline quality NG	0.88	LB/H	1-hr average	0.011	lb/MMBTU		1-hr average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBTU/hr		Pipeline quality NG	9	O2	1-hr average							
	CPV Valley Energy Center Wawayanda, NY		Auxiliary Boiler	Natural Gas	73.5	MMBTU/hr		Low NOx burners and flue gas re circulation.	0.045	LB/MMBTU	1-hr average							
	Cricket Valley Energy Center		Auxiliary Boiler	Natural Gas	48.63	MMBTU/hr			0.011	LB/MMBTU								
	Pioneer Valley Energy Center		Auxiliary Boiler	Natural Gas	21	MMBTU/hr			0.029	LB/MMBTU		0.58	LB/H					
	Tenaska Partners LLC		Auxiliary Boiler	Natural Gas	245	MMBTU/hr			0.011	LB/MMBTU		5.76	T/YR		12-month rolling			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			0.036	LB/MMBTU	12 month-period	3.82	LB/H		12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			7.6	T/YR								
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.085	LB/MMBTU	12 month-period	1.27	LB/H		12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			5.25	T/YR								
	Kalama Energy Center		Auxiliary Boiler	Natural Gas	159870	MMBTU per 12 mo rolling			12	PPMVD @ 3% O2	1-hr avg	0.54	LB/H		1-hr avg			
	LAWRENCE ENERGY CENTER LLC		Auxiliary Boiler	Natural Gas	99	MMBTU/hr			0.05	LB/MMBTU		4.95	LB/H		12 month-period			
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #1	Natural Gas	61.2	MMBTU/hr			0.017	LB/MMBTU	3-hr							
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #2	Natural Gas	61.2	MMBTU/hr			0.017	LB/MMBTU	3-hr							
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 1	Natural Gas	140.196	MCF/hr			0.55	LB/MMBTU								
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 2	Natural Gas	140.196	MCF/hr			0.55	LB/MMBTU								
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 6	Natural Gas	151.96	MCF/hr			0.55	LB/MMBTU								

Table D-B-1
Nitrogen Oxides (NO_x) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBL ID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 8	Natural Gas	151.96	MCF/hr			0.55	LB/MMBTU							
	PA STATE UNIV/UNIV PARK CAMPUS		ECSP Boiler 1	Natural Gas	127.45	MCF/hr			0.2	LB/MMBTU		107.5	T/YR	any 12 mo			
	PA STATE UNIV/UNIV PARK CAMPUS		ECSP Boiler 2	Natural Gas	127.45	MCF/hr			0.2	LB/MMBTU		107.5	T/YR	any 12 mo			
	Sevier Power Company Power Plant		Auxiliary Boiler #2	Natural Gas	85	Mmbtu/hr			0.017	LB/MMBTU	3-hr						
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #5	Natural Gas	83	MMBtu/hr			0.032	LB/MMBTU	3-hr	2.56	LB/H	3-hr			
	York Energy Center Block 2	42170	Auxiliary Boiler	Natural Gas	61	MMBtu/hr		Use of natural gas	0.0086	lb/MMBtu		2.3	T/YR				
	MOUNDSVILLE COMBINED CYCLE POWER PLANT	41773	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			2	LB/H			2	T/YR			

Table D-B-2
Carbon Monoxide (CO) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCD	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
FL-0356	ORKECHOBEE CLEAN ENERGY CENTER	3/9/2016	Auxiliary Boiler, 99.8 MMBtu/hr	Natural gas	99.8	MMBtu/hr	Fires only natural gas. Limited to 2000 hr/yr.	Proper combustion prevents CO	0.08	LB/MMBTU		0			0		
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	99.8 MMBtu/hr auxiliary boiler	Natural gas	99.8	MMBtu/hr	Fueled only with natural gas.	Clean fuel	0.08	LB/MMBTU		0			0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	NATURAL GAS AUXILIARY BOILERS (EU-012A, EU-012B, EU-012C)	NATURAL GAS	218.6	MMBTU/H		GOOD COMBUSTION PRACTICES AT ALL TIMES THE BOILERS ARE IN OPERATION	37.22	LB/MMCF EACH	3 HOUR AVERAGE	1877.39	MMCF/12 MONTH EACH	ROLLING AVERAGE	0		
LA-0305	METHANOL FACILITY	6/30/2016	Auxiliary Boilers and Superheaters	Natural Gas	0		Supplement fuel: fuel gas Boilers: 225 MM BTU/hr each	good engineering design and good combustion practices	0			0			0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Auxiliary boilers	natural gas	171	mm btu/hr		good combustion practices	0			0			0		
MI-0420	DTE GAS COMPANY - MILFORD COMPRESSOR STATION	6/3/2016	FGAUXBOILERS	Natural gas	6	MMBTU/H	Two natural gas-fired auxiliary boilers, each rated at 6 MMBTU/H fuel heat input. The boilers are identified as EU/AUXBOIL2 and EU/AUXBOIL3 within the flexible group FGAUXBOILERS. The boilers are subject to 40 CFR Part 63 Subpart DDDDD, which requires tune ups.	Good combustion practices and clean burn fuel (pipeline quality natural gas)	0.08	LB/MMBTU	TEST PROTOCOL	0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	EU/AUXBOILER (Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Good combustion practices.	0.04	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	0			0		
MI-0424	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/5/2016	EU/AUXBOILER (Auxiliary boiler)	natural gas	83.5	MMBTU/H	One natural gas fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EU/AUXBOILER)	Good combustion practices.	0.077	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	0			0		
MI-0426	DTE GAS COMPANY - MILFORD COMPRESSOR STATION	3/24/2017	FGAUXBOILERS (6 auxiliary boilers EU/AUXBOIL2A, EU/AUXBOIL3A, EU/AUXBOIL2B, EU/AUXBOIL3B, EU/AUXBOIL2C, EU/AUXBOIL3C)	Natural gas	3	MMBTU/H	Four natural gas-fired auxiliary boilers, each rated at 3 MMBTU/H fuel heat input (EU/AUXBOIL2A, EU/AUXBOIL3A, EU/AUXBOIL2B and EU/AUXBOIL3B in FGAUXBOILERS) and two natural gas-fired auxiliary boilers, each rated at 1 MMBTU/H fuel heat input (EU/AUXBOIL2C and EU/AUXBOIL3C in FGAUXBOILERS). The boilers are subject to 40 CFR Part 63 Subpart DDDDD which requires tune ups.	Good combustion practices and clean burn fuel (pipeline quality natural gas).	84	LB/MMSCF	EACH BOILER	0			0		
*MI-0433	MEC NORTH LLC and MEC SOUTH LLC	6/29/2018	EU/AUXBOILER (North Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HIV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices.	0.08	LB/MMBTU	HOURLY	0			0		
*MI-0433	MEC NORTH LLC and MEC SOUTH LLC	6/29/2018	EU/AUXBOILER (South Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/h	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HIV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices.	0.08	LB/MMBTU	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EU/AUXBOILER: Auxiliary Boiler	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTGHRSG train and to provide steam to the steam turbine generator seals. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices	0.075	LB/MMBTU	HOURLY	7.49	LB/H	HOURLY	0		
NJ-0084	PS&G FOSSIL LLC SEAWARD GENERATING STATION	3/10/2016	Auxiliary Boiler firing natural gas	natural gas	80	mmBtu/hr	Maximum heat input rate for natural gas fired auxiliary boiler is 80 MMBtu/hr (HIV) permitted to operate for 8760 hrs/yr.	Use of good combustion practices and use of natural gas a clean burning fuel	2.88	LB/H	AV OF THREE ONE-H STACK TESTS	0			0		
NJ-0085	MIDDLESEX ENERGY CENTER, LLC	7/19/2016	AUXILIARY BOILER	Natural GAS	4000	H/YR		USE OF NATURAL GAS A CLEAN BURNING FUEL AND GOOD COMBUSTION PRACTICES	3.61	LB/H	AV OF THREE ONE-H STACK TESTS INITIALLY	0			0		
NY-0103	CRICKET VALLEY ENERGY CENTER	2/3/2016	Auxiliary boiler	natural gas	60	MMBTU/H	Limited to 4,500 H/YR	good combustion practice	0.0375	LB/MMBTU	1 H	0			0		
*PA-0310	CPV FAIRVIEW ENERGY CENTER	9/2/2016	Auxiliary boiler	Natural Gas	92.4	MMBtu/hr	Operation of the auxiliary boiler shall not exceed 4000 hrs in any continuous 12-month period.	ULSD and good combustion practices	0.037	LB/MMBTU	AVG OF 3 1-HR TEST RUNS	6.84	TPY	12-MONTH ROLLING BASIS	0		
*PW-0029	HARRISON COUNTY POWER PLANT	3/27/2018	Auxiliary Boiler	Natural Gas	77.8	mmBtu/hr	Annual emission based on 4600 hours/year.	Good Combustion Practices	2.88	LB/HR	3-HR AVG @ 15 % O2	6.58	TONS/YEAR		0.037	LB/MMBTU	
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.		50	PPMVD @ 15% O2		0			0		
AL-0230	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	8/17/2007	3 NATURAL GAS-FIRED BOILERS WITH ULNB & EGR (537-529)	NATURAL GAS	64.9	MMBTU each	THIS PROCESS IS COVERED UNDER 301-0095.X026.		0.04	LB/MMBTU		2.62	LB/H		0		
AR-0090	NUCOR STEEL, ARKANSAS	4/3/2006	PICKLE LINE BOILERS, SN-52	NATURAL GAS	12.6	MMBTU EACH		GOOD COMBUSTION PRACTICE	3.2	LB/H		13.9	T/YR		0.084	LB/MMBTU	
CA-1127	GENENTECH, INC.	9/27/2005	BOILER: >= 50 MMBTU/H	NATURAL GAS	97	MMBTU/H		ULTRA LOW NOX BURNERS: NATCOM P-97-LOK-35-2127	50	PPMVD @ 3% O2	THREE 30-MIN SAMP PERIODS AV	0			0		
CA-1128	COTTAGE HEALTH CARE - PUEBLO STREET	5/16/2006	BOILER: 5 TO <= 33.5 MMBTU/H	NATURAL GAS	25	MMBTU/H (75		ULTRA-LOW NOX BURNER	50	PPMVD @ 3% O2	6-MIN AV	0			0		
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	3/11/2010	AUXILIARY BOILER	NATURAL GAS	35	MMBTU/H		OPERATIONAL RESTRICTION OF 500 HR/YR	50	PPMVD @ 3% O2	1-HR AVG. @ 3% O2	0			0		
CA-1192	AVENAL ENERGY PROJECT	6/21/2011	AUXILIARY BOILER	NATURAL GAS	37.4	MMBTU/H		ULTRA LOW NOX BURNER, USE PUC QUALITY NATURAL GAS, OPERATIONAL RESTRICTION OF 46, 675 MMBTU/YR	50	PPMVD @ 3% O2	3-HR AVG. @ 3% O2	0			0		
FL-0285	PROGRESS BARTOW POWER PLANT	1/26/2007	ONE GASEOUS-FUELED 99 MMTU/HR AUXILIARY BOILER	NATURAL GAS	99	MMBTU/H			0.08	LB/MMBTU		400	PPMVD @ 3% O2		0		
FL-0286	FPL WEST COUNTY ENERGY CENTER	1/10/2007	TWO 99.8 MMBTU/H GAS-FUELED AUXILIARY BOILERS	NATURAL GAS	99.8	MMBTU/H	PRODUCE 85,000 LB/HR STEAM EACH		0.08	LB/MMBTU		0			0		
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hr each	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	0.039	LB/MMBTU	AVERAGE OF 3 ON-HOUR TEST RUNS	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler	natural gas	60.1	mmBtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period	CO catalytic oxidizer	0.0164	LB/MMBTU		0			0		

**Table D-B-2
Carbon Monoxide (CO) RBLC Search - Auxiliary Boiler
Invenery, LLC - Allegheny County Energy Center Project**

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*IN-0158	ST. JOSEPH ENERGY CENTER, LLC	12/3/2012	TWO (2) NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	GOOD COMBUSTION PRACTICES	0.083	LB/MMBTU	3 HOURS	6.64	LB/H	3 HOURS		0	
LA-0240	FLOPAM INC.	6/14/2010	Boilers	natural gas	25.1	MMBTU/H		Good equipment design and proper combustion practices	0.93	LB/H	HOURLY MAXIMUM	0.037	LB/MMBTU	1 HR BLOCK AVG. DOES NOT APPLY DURING SS		0	
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBTU/hr		Oxidation catalyst	4.7	PPMVD @ 3% O2	3-HOUR AVERAGE BLOCK	0.0035	LB/MMBTU	1 HR BLOCK AVG. DOES NOT APPLY DURING SS		0	
*MD-0041	CPV ST. CHARLES	4/23/2014	AUXILIARY BOILER	NATURAL GAS	93	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF LOW-NOX BURNER TECHNOLOGY, FLUE GAS RECIRCULATION (FGR), GOOD COMBUSTION CONTROLS, MAX HEAT INPUT OF 372,000 MMBTU/HR	GOOD COMBUSTION PRACTICES	0.02	LB/MMBTU		0				0	
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.036	LB/MMBTU	3-HOUR BLOCK AVERAGE	0				0	
*MI-0410	THETFORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers &H; 100 MMBTU/H heat input each	natural gas	100	MMBTU/H heat input	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input. Fuel usage limited to not more than 416.3 MMscf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Efficient combustion.	0.075	LB/MMBTU	HEAT INPUT. TEST PROTOCOL WILL SPECIFY	0				0	
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EU/AUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBtu/hr fuel heat input (EU/AUXBOILERB within flexible group FGAUXBOILERS).	Good combustion practices.	0.077	LB/MMBTU	TEST PROTOCOL	0				0	
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EU/AUXBOILER A)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBTU/hr fuel heat input (EU/AUXBOILER A within flexible group FGAUXBOILERS).	Good combustion practices	0.077	LB/MMBTU	TEST PROTOCOL	0				0	
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	9/7/2007	SMALL BOILERS & HEATERS(&H;100 MMBTU/H)	NATURAL GAS	99	MMBTU/H			0.08	LB/MMBTU	1 HOUR AVERAGE	8.2	LB/H	1 HOUR AVERAGE		0	
NJ-0079	WOODBIDGE ENERGY CENTER	7/25/2012	Commercial/Institutional size boilers less than 100 MMBtu/hr	natural gas	2000	hours/year	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	Use of natural gas and good combustion practices	3.44	LB/H	AVERAGE OF THREE TESTS	0				0	
NJ-0080	HESS NEWARK ENERGY CENTER	11/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	51.9	mmscf/bi/year		use of natural gas a clean fuel	2.45	LB/H	AVERAGE OF THREE TESTS	0				0	
NV-0044	HARRAHS OPERATING COMPANY, INC.	1/4/2007	COMMERCIAL/INSTITUTIONAL-SIZE BOILERS	NATURAL GAS	35.4	MMBTU/H	THE BACT DETERMINATIONS REPORTED HEREIN ARE SPECIFICALLY FOR THE TWO HURST BOILERS INSTALLED AT CAESARS PALACE. EACH OF THEM HAS A RATED HEAT INPUT OF 35.4 MMBTU/HR. THE PERMITTING ACTION ALSO APPROVED THE INSTALLATION OF A NUMBER OF SMALL BOILERS, ALL OF WHICH HAVE A RATED HEAT INPUT BELOW THE THRESHOLD OF INSTITUTIONAL SIZE. NATURAL GAS IS THE ONLY FUEL USED FOR ALL BOILERS FOR THIS FACILITY. THE TOTAL INCREASE OF RATED HEAT INPUT FOR ALL THE NEW BOILERS IS 100.7 MMBTU/HR. THE TWO NEW HURST BOILERS HAVE THE COMBINED RATED HEAT INPUT OF 70.8 MMBTU/HR. ACCOUNTING FOR 70% OF THE TOTAL INCREASE.	GOOD COMBUSTION DESIGN	0.036	LB/MMBTU	49 PPMVD @ 3% O2	3% OXYGEN	0.036	LB/MMBTU			
NV-0047	NELLIS AIR FORCE BASE	2/26/2008	BOILERS/HEATERS - NATURAL GAS FIRED	NATURAL GAS			THE FACILITY HAS 125 REGULATED UNITS AND 142 EXEMPT UNITS. UNIT RB013 (RITE BOILER, 6.5 MMBTU/HR) IS SELECTED TO SHOW THE BACT DETERMINATIONS.	FLUE GAS RECIRCULATION	0.037	LB/MMBTU	50 PPMVD @ 3% O2	3% OXYGEN	0.037	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT FLO1	NATURAL GAS	14.34	MMBTU/H	UNIT FLO1 IS A JOHNSON BOILER AT FLAMINGO LAS VEGAS. THIS UNIT MAY OPERATE 8,760 HOURS PER YEAR.	FLUE GAS RECIRCULATION	0.0705	LB/MMBTU	95 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0705	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA01	NATURAL GAS	16.8	MMBTU/H	UNIT BA01 IS A KEWANEEO BOILER AT BALLY'S LAS VEGAS. UNIT BA01 IS IDENTICAL TO UNIT BA02. THE TWO BOILERS ARE SUBJECT TO THE ANNUAL LIMIT OF COMBINED TOTAL OPERATING TIME FOR 10,900 HOURS PER YEAR.	FLUE GAS RECIRCULATION	0.0173	LB/MMBTU	23 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0173	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA03	NATURAL GAS	31.38	MMBTU/H	UNIT BA03 IS A KEWANEEO BOILER AT BALLY'S LAS VEGAS. THE ANNUAL OPERATING TIME IS LIMITED TO 2,920 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0172	LB/MMBTU	23 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0172	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP01	NATURAL GAS	35.4	MMBTU/H	UNIT CP01 IS A HURST BOILER AT CAESARS PALACE. UNIT CP01 IS IDENTICAL TO UNIT CP02. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0073	LB/MMBTU	29 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0073	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP03	NATURAL GAS	33.48	MMBTU/H	UNIT CP03 IS A BURNHAM BOILER AT CAESARS PALACE. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0075	LB/MMBTU	30 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0075	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP26	NATURAL GAS	24	MMBTU/H	UNIT CP26 IS A UNILUX BOILER AT CAESARS PALACE. THE UNIT IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.037	LB/MMBTU	50 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.037	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT PA15	NATURAL GAS	21	MMBTU/H	UNIT PA15 IS A BRYAN BOILER AT PARIS CASINO RESORT. UNIT PA15 IS IDENTICAL TO UNIT PA16. UNIT PA14 IS A BRYAN BOILER RATED AT 17.0 MMBTU/HR. EACH OF THE THREE BOILERS IS SUBJECT TO THE LIMIT OF ANNUAL OPERATING TIME FOR 4,380 HOURS PER YEAR. THEY SHARE THE SAME BACT DETERMINATIONS ON THE PER MMBTU BASIS.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.848	LB/MMBTU	114 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.848	LB/MMBTU			
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT IP04	NATURAL GAS	16.7	MMBTU/H	UNIT IP04 IS A KEWANEEO BOILER AT IMPERIAL PALACE. UNIT IP04 IS IDENTICAL TO UNIT IP05. EITHER BOILER IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0074	LB/MMBTU	100 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0074	LB/MMBTU			
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC001, CC002, AND CC003 AT CITY CENTER	NATURAL GAS	41.64	MMBTU/H	THE THREE UNITS ARE IDENTICAL NEBRASKA BOILERS, EACH OF WHICH IS RATED AT 41.64 MMBTU/HR. EACH UNIT IS ALLOWED TO OPERATE 24 HOURS/DAY AND UP TO 5,880 HOURS/YEAR. THE EMISSION LIMITS REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	GOOD COMBUSTION PRACTICES AND LIMITING THE FUEL TO NATURAL GAS ONLY	0.0184	LB/MMBTU	25 PPMVD @ 3% O2	CORRECTED TO 3.0% OXYGEN	0.0184	LB/MMBTU			
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC026, CC027 AND CC028 AT CITY CENTER	NATURAL GAS	44	MMBTU/H	THE THREE UNITS ARE IDENTICAL CATERPILLAR BOILERS, EACH RATED AT 44 MMBTU/HR. EACH UNIT IS SUBJECT TO THE ANNUAL LIMIT OF OPERATING TIME TO 5,880 HOURS. THE EMISSION LIMITS ARE BASED ON THE ATC PERMIT FOR MODIFICATION #13 DATED NOVEMBER 30, 2009.	GOOD COMBUSTION PRACTICES INCLUDING THE USE OF PROPER AIR TO FUEL RATIO	0.0148	LB/MMBTU	20 PPMVD @ 3% O2	CORRECTED TO 3% OXYGEN	0.0148	LB/MMBTU			
NY-0095	CATHINES BELLPORT ENERGY CENTER	5/10/2006	AUXILIARY BOILER	NATURAL GAS	29.4	MMBTU/H	4800 H/YR TWO BOILERS WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION. WITH #2 OIL BACKUP	GOOD COMBUSTION PRACTICES	0.036	LB/MMBTU	0				0		
OH-0309	TOLEDO SUPPLIER PARK-PAIN	5/3/2007	BOILER (2), NATURAL GAS	NATURAL GAS	20.4	MMBTU/H	TWO SET OF LIMITS, THIS ONE FOR NATURAL GAS		1.7	LB/H		7.5	T/YR		0.083	LB/MMBTU	
OH-0323	TITAN TIRE CORPORATION OF BRYAN	6/5/2008	BOILER	NATURAL GAS	50.4	MMBTU/H			4.15	LB/H		18.18	T/YR		84	LB/MMSCF	AP-42 FACTOR
*OH-0350	REPUBLIC STEEL	7/18/2012	Steam Boiler	Natural Gas	65	MMBTU/H	Natural Gas-fired steam boiler to vacuum tank degasser	Proper burner design and good combustion practices	0.04	LB/MMBTU		11.4	T/YR		0		
*OH-0352	OREGON CLEAN ENERGY CENTER	6/18/2013	Auxiliary Boiler	Natural Gas	99	MMBTU/H	99 MMBTU/H auxiliary boiler with low-NOx burners and flue gas re-circulation, burning only natural gas. Boiler restricted to 2000 hours of operation per rolling 12-months.	Good combustion practices and using combustion optimization technology	5.45	LB/H		5.45	T/YR	PER ROLLING 12-MONTHS	0.055	LB/MMBTU	
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	AUXILIARY BOILER	NATURAL GAS	33.5	MMBTU/H		GOOD COMBUSTION	5.02	LB/H		0			0		
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.	GOOD COMBUSTION PRACTICES	6.6	LB/H	1-HOUR/8-HOUR	0			0		
OK-0137	PONCA CITY REFINERY	2/9/2009	TB-1 Leased Boiler No. 1	Natural Gas	95	MMBTU/H		Ultra-low NOx burners and good combustion practices, 0.04lb/MMbtu	3.8	LB/H	365 DAY ROLLING AVERAGE	16.6	T/YR	365 DAY ROLLING AVERAGE	0		

Table D-B-2
Carbon Monoxide (CO) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCD	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*OR-0050	TROUTDALE ENERGY CENTER, LLC	3/5/2014	Auxiliary boiler	natural gas	39.8	MMBtu/hr		Utilize Low-NOx burners and FGR.	0.04	LB/MMBTU	3-HR BLOCK AVERAGE	0			0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.036	LB/MMBTU		3.31	T/YR	12-MONTH ROLLING TOTAL	0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC LLC/CONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBtu/hr		Good Combustion Practices	3.31	T/YR	12-MONTH ROLLING TOTAL	0			0		
SC-0112	NUCOR STEEL - BERKELEY	5/5/2008	VACUUM DEGASSER BOILER	NATURAL GAS	50.21	MMBTU/H		NATURAL GAS COMBUSTION WITH GOOD COMBUSTION PRACTICES PER MANUFACTURERS GUIDANCE	0.061	LB/MMBTU		3.06	LB/H		0.061	LB/MMBTU	
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU003	NATURAL GAS	46	MMBTU/H			0.039	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU004	NATURAL GAS	46	MMBTU/H			0.039	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU005	NATURAL GAS	46	MMBTU/H			0.039	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H			0.039	LB/MMBTU	3-HOUR	0			0		
TX-0501	TEXTAR GAS PROCESS FACILITY	7/11/2006	POWER STEAM BOILER	NATURAL GAS	93	MMBTU/H			7.05	LB/H		5.91	T/YR		0		
*TX-0714	S K BERTON ELECTRIC GENERATING STATION	12/19/2014	boiler	natural gas	80	MMBtu/hr	operation limitation of 4,000 hours per year	low-NOx burners	0.037	LB/MMBTU	3-HR ROLLING AVERAGE	0			0		
*TX-0751	EAGLE MOUNTAIN STEAM ELECTRIC STATION	6/18/2015	Commercial/Industrial and Size Boilers (<100 MMBtu) at natural gas	natural gas	73.3	MMBtu/hr			50	PPMVD @ 3% O2	ROLLING 3-HR AVERAGE	0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial and Size Boilers/Furnaces	natural gas	40	MMBtu/hr	Hot oil heater	Good combustion practice to ensure complete combustion.	50	PPMVD @ 3% O2		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial and Size Boilers/Furnaces	natural gas	95.7	MMBtu/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Good combustion practice to ensure complete combustion.	50	PPMVD @ 3% O2		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial and Size Boilers/Furnaces	natural gas	13.2	MMBtu/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.	Good combustion practice to ensure complete combustion.	50	PPMVD @ 3% O2		0			0		
*WY-0075	CHEYENNE PRAIRIE GENERATING STATION	7/16/2014	Auxiliary Boiler	natural gas	25.06	MMBtu/h		good combustion	0.0375	LB/MMBTU	3 HOUR AVERAGE	0.9	LB/H	3 HOUR AVERAGE	0		
	Astoria Energy LLC		Auxiliary Boiler	Natural Gas	99	MMBtu/hr		Clean Fuel	0.02	LB/MMBTU	1-hr average	1.98	LB/H	1-hour average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG Oxidation Catalyst	0.28	LB/H	1-hr average	0.0035	lb/MMBtu	1-hr average			
	CPV Valley Energy Center		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG Oxidation Catalyst	4.7	O2	1-hr average						
	Wayanda, NY		Auxiliary Boiler	Natural Gas	73.5	MMBtu/hr		Good combustion controls.	0.0721	LB/MMBTU	1-hr average						
	Crocket Valley Energy Center		Auxiliary Boiler	Natural Gas	48.63	MMBtu/hr			0.0375	LB/MMBTU							
	Pioneer Valley Energy Center		Auxiliary Boiler	Natural Gas	21	MMBtu/hr			0.037	LB/MMBTU		0.74	LB/H				
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr			2.45	LB/H							
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			0.074	LB/MMBTU	12 month-period	7.83	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			15.7	T/YR							
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.037	LB/MMBTU	12 month-period	0.55	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			2.28	T/YR							
	Kalama Energy Center		Auxiliary Boiler	Natural Gas	159870	MMBTU per 12 mo rolling			30	PPMVD @ 3% O2	1-hr avg	0.81	LB/H	1-hr avg			
	LAWRENCE ENERGY CENTER LLC		Auxiliary Boiler	Natural Gas	99	MMBTU/hr			0.084	LB/MMBTU		8.32	LB/H	12 month-period			
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #1	Natural Gas	61.2	MMBTU/hr			0.037	LB/MMBTU	3-hr						
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #2	Natural Gas	61.2	MMBTU/hr			0.037	LB/MMBTU	3-hr						
	Sevier Power Company Power Plant		Auxiliary Boiler #2	Natural Gas	85	Mmbtu/hr			0.0375	LB/MMBTU	3-hr						
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #3	Natural Gas	81	MMBtu/hr			0.083	LB/MMBTU	3-hr	6.64	LB/H	3-hr			
	Woodbridge Energy Center		Auxiliary Boiler	Natural Gas	180	MMBtu/hr			0.038	LB/MMBTU		3.44	LB/H				
	York Energy Center Block 2	4/21/70	Auxiliary Boiler	Natural Gas	61	MMBtu/hr			0.06	lb/MMBtu		15.6	T/YR				
	MOUNDSVILLE COMBINED CYCLE POWER PLANT	4/17/73	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			4	LB/H		4	T/YR				

Table D-B-3
Volatile Organic Compounds (VOC) RBL Search - Auxiliary Boiler
Invenery, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
AL-0312	BELK CHIP-N-SAW FACILITY	5/26/2016	60 MMBTU/HR NATURAL GAS	NATURAL GAS	60	MMBTU/H		GOOD COMBUSTION PRACTICES	0.0054	LB/MMBTU INPUT		0			0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	NATURAL GAS AUXILIARY	NATURAL GAS	218.6	MMBTU/H		GOOD COMBUSTION PRACTICES AT ALL TIMES THE BOILERS ARE IN	5.5	LB/MMCF EACH	3 HOUR AVERAGE	1877.39	MMCF/12 MONTH EACH	ROLLING AVERAGE	0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Auxiliary boilers	natural gas	171	mm btu/hr		good combustion practices	0			0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	(Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Good combustion practices.	0.004	LB/MMBTU	TEST PROTOCOL WILL SPECIFY	0			0		
MI-0424	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH	12/5/2016	EUAUXBOILER (Auxiliary boiler)	natural gas	83.5	MMBTU/H	One natural gas-fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EUAUXBOILER)	Good combustion practices.	0.008	LB/MMBTU	TEST PROTOCOL WILL SPECIFY	0			0		
*MI-0433	MEC NORTH LLC AND MEC SOUTH LLC	6/29/2018	(North Plant)	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HIV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including	Good combustion practices.	0.004	LB/MMBTU	HOURLY	0			0		
*MI-0433	SOUTH LLC	6/29/2018	(South Plant)	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HIV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including	Good combustion practices.	0.004	LB/MMBTU	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUAUXBOILER: Auxiliary Boiler	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTGHRSG train and to provide steam to the steam turbine generator seals. The auxiliary boiler	Good combustion practices	0.008	LB/MMBTU	HOURLY	0.8	LB/H	HOURLY	0		
TX-0813	ODESSA PETROCHEMICAL PLANT	11/22/2016	Boilers	natural gas	223	MMBTU/H	2 boilers	Best combustion practices	0.0005	LB/MMBTU		0			0		
TX-0813	PERDUE GRAIN AND OILSEED, LLC	11/22/2016	small Boiler	natural gas	39.9	MMBTU/hr	(4) 27 MMBtu/hr boilers, Natural gas	best combustion practices	0.0005	MMBTU/HR		0			0		
VA-0327	HARRISON COUNTY POWER PLANT	7/12/2017	Auxiliary Boiler	Natural Gas	27	MMBTU/hr		low nox burners	0.1	LB/HR		0.5	lb/hr				
*WV-0029	KENAI NITROGEN OPERATIONS	3/27/2018	Five (5) Waste Heat Boilers	Natural Gas	77.8	mmbtu/hr	Annual emission based on 4600 hours/year.	Use of Natural Gas, Good Combustion Practices	0.62	LB/HR		1.42	TONS/YEAR		0.008	LB/MMBTU	
*AK-0083	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	1/6/2015	13 NATURAL GAS-FIRED BOILERS WITH ULNB &ump; EGR (537-539)	NATURAL GAS	50	MMBTU/hr	THIS PROCESS IS COVERED UNDER 503-0095-X026.		0.0054	LB/MMBTU	3-HR AVG	0			0		
AL-0230	VACUUM DEGASSER	8/17/2007	NATURAL GAS	NATURAL GAS	64.9	MMBTU each			0.0055	LB/MMBTU		0.36	LB/H		0		
AL-0231	NUCOR DECATUR LLC	6/12/2007	NATURAL GAS	NATURAL GAS	95	MMBTU/H		low nox burners, use of natural gas	0.0026	LB/MMBTU		0.25	LB/H		0		
*AL-0280	LENZING FIBERS, INC.	12/6/2011	Natural Gas Fired Boiler #3	Natural Gas	100	MMBTU/Hr		Good combustion practices	5.5	LB/MMSCF	LB/MM SCF OF NATURAL GAS USED	0.0054	LB/MMBTU		0		
*AL-0282	LENZING FIBERS, INC.	1/22/2014	Natural Gas Fired Boilers (3)	Natural Gas	100	mm btu/hr		Good combustion Practices.	0.0054	LB/MMBTU		0			0		
AR-0090	NUCOR STEEL ARKANSAS	4/3/2006	PICKLE LINE BOILERS, SN-52 ONE GAS/OIL-FUELED 99 MMBTU/HR AUXILIARY BOILER	NATURAL GAS	12.6	MMBTU EACH		GOOD COMBUSTION PRACTICE	0.2	LB/H		0.9	T/YR		0.0055	LB/MMBTU	
FL-0285	PROGRESS BARTOW POWER PLANT	1/26/2007	TWO 99.8 MMBTU/H GAS-FUELED AUXILIARY BOILERS	NATURAL GAS	99	MMBTU/H			2	GR S/100 SCF		0			0		
FL-0286	FPL WEST COUNTY ENERGY CENTER	1/10/2007		NATURAL GAS	99.8	MMBTU/H	PRODUCE 85,000 LB/HR STEAM EACH		2	GR S/100 SCF		0			0		
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hour	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	0.003	LB/MMBTU	AVERAGE OF 3 ONE-HOUR TEST RUNS	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler	natural gas	60.1	mmbtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period		0.005	LB/MMBTU		0			0		
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	TWO (2) NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	3 HOURS	0.4	LB/H	3 HOURS	0		
LA-0240	FLOPAM INC.	6/14/2010	Boilers	natural gas	25.1	MMBTU/H		Good equipment design and proper combustion techniques	0.003	LB/MMBTU	NATURAL GAS FIRED 1 HR BLOCK AVG, DOES NOT APPLY DURING SS	0.008	LB/MMBTU	ALCOHOL FIRED 1 HR BLOCK AVG, DOES NOT APPLY DURING SS	0		
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBTU/hr		oxidation catalyst	11.8	PPMVD @ 3% O2		0.005	LB/MMBTU		0		
*MD-0041	CPV ST. CHARLES	4/23/2014	AUXILIARY BOILER	NATURAL GAS	93	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF LOW-NOX BURNER TECHNOLOGY, FLUE GAS RECIRCULATION (FGR), GOOD COMBUSTION CONTROLS, MAX HEAT INPUT OF 372,000 MMBTU/HR	EXCLUSIVE USE OF NATURAL GAS, AND GOOD COMBUSTION PRACTICES	0.002	LB/MMBTU	3-HOUR AVERAGE BLOCK	0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD	THE EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS, LIMITED HOURS OF OPERATION, AND GOOD COMBUSTION PRACTICES	0.0033	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
*MI-0393	RAY COMPRESSOR STATION	10/14/2010	Auxiliary Boiler	natural gas	12.25	MMBTU/H	Boiler provides building heat.		0.05	LB/H	TEST METHOD	0.0041	LB/MMBTU		0		
*MI-0393	RAY COMPRESSOR STATION	10/14/2010	Reboiler (dehydrator with reboiler)	natural gas	4.8	MMBTU/H	4.8 MMBTU/H reboiler	Thermal oxidizer	0.0054	LB/MMBTU	TEST METHOD	0			0		
*MI-0410	THEFTFORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers &h; 100 MMBTU/H heat input each	natural gas	100	MMBTU/H heat input each	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input. Fuel usage limited to not more than 416.3 MMscf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Efficient combustion; natural gas fuel.	0.008	LB/MMBTU	HEAT INPUT; TEST PROTOCOL WILL SPECIFY	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EUAUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBTU/hr fuel heat input (EUAUXBOILERB within flexible group FGAUXBOILERS).	Good combustion practices	0.008	LB/MMBTU	TEST PROTOCOL	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EUAUXBOILERA)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBTU/hr fuel heat input (EUAUXBOILERA within flexible group FGAUXBOILERS).	Good combustion control	0.008	LB/MMBTU	TEST PROTOCOL	0			0		
MO-0082	ARCHER DANIELS MIDLAND-MEXICO DART CONTAINER CORPORATION LLC	10/5/2010	WATER-TUBE BOILER	NATURAL GAS	85.6	MMBTU/H	BOILER PROVIDES ADDITIONAL STEAM FOR TEH SOYBEAN SOLVENT EXTRACTION.	GOOD COMBUSTION PRACTICES	0.0055	LB/MMBTU	TEST METHOD AVG	0.001	LB/MMBTU	TEST METHOD AVG	0		
MS-0085		1/31/2007	NATURAL GAS FIRED BOILER	NATURAL GAS	33.5	MMBTU/h			0.81	T/YR		0.19	LB/H		0.0055	LB/MMBTU	
NJ-0079	WOODBRIIDGE ENERGY CENTER	7/25/2012	Commercial/Industrial size boilers less than 100 MMBtu/hr	natural gas	91.6	MMBTU/hr	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	Use of Natural Gas and good combustion practices - permit reqs	0.14	LB/H	AVERAGE OF THREE TESTS	0			0		
NJ-0080	HESS NEWARK ENERGY CENTER	11/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	66.2	MMBTU/hr		use of natural gas as clean fuel	0.27	LB/H	AVERAGE OF THREE TESTS	0			0		

Table D-B-3
Volatile Organic Compounds (VOC) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION	
NV-0044	HARRAHS OPERATING COMPANY, INC.	1/4/2007	COMMERCIAL/INSTITUTIONAL- SIZE BOILERS	NATURAL GAS	35.4	MMBTU/H	THE BACT DETERMINATIONS REPORTED HEREIN ARE SPECIFICALLY FOR THE TWO HURST BOILERS INSTALLED AT CAESARS PALACE. EACH OF THEM HAS A RATED HEAT INPUT OF 35.4 MMBTU/H. THE PERMITTING ACTION ALSO APPROVED THE INSTALLATION OF A NUMBER OF SMALL BOILERS, ALL OF WHICH HAVE A RATED HEAT INPUT BELOW THE THRESHOLD OF INSTITUTIONAL SIZE. NATURAL GAS IS THE ONLY FUEL USED FOR ALL BOILERS FOR THIS FACILITY. THE TOTAL INCREASE OF RATED HEAT INPUT FOR ALL THE NEW BOILERS IS 100.7 MMBTU/H. THE TWO NEW HURST BOILERS HAVE THE COMBINED RATED HEAT INPUT OF 70.8 MMBTU/H, ACCOUNTING FOR 70% OF THE TOTAL INCREASE.	GOOD COMBUSTION DESIGN	0.005	LB/MMBTU			0.18	LB/H		0.005	LB/MMBTU	
NV-0047	NELLIS AIR FORCE BASE	2/26/2008	BOILERS/HEATER S - NATURAL GAS FIRED	NATURAL GAS			THE FACILITY HAS 125 REGULATED UNITS AND 142 EXEMPT UNITS. UNIT RB013 (RITE BOILER, 6.5 MMBTU/H) IS SELECTED TO SHOW THE BACT DETERMINATIONS.	FLUE GAS RECIRCULATION	0.0062	LB/MMBTU			0.04	LB/H		0.0062	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT H408	NATURAL GAS	8.37	MMBTU/H	THE EMISSION UNIT IS A CLEAVER BROOKS BOILER AT HARRAHS LAS VEGAS. UNIT H408 IS IDENTICAL TO H409 AND H410. THE SAME SET OF EMISSION LIMITS APPLIES TO EACH OF THE THREE BOILERS. THE THREE BOILERS ARE SUBJECT TO THE LIMIT OF TOTAL ANNUAL OPERATING TIME FOR 20,000 HOURS PER YEAR. THERE ARE NO BOILERS AT HARRAHS LAS VEGAS, WHICH HAS A THROUGHPUT CAPACITY IN EXCESS OF 10 MMBTU/H. NO BACT DETERMINATIONS FOR ANY EMISSION UNITS AT BILLS GAMBLIN HALL & SALON ARE REPORTED HEREIN BECAUSE ALL OF THEM HAVE A VERY SMALL POTENTIAL TO EMIT FOR ANY POLLUTANT.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0054	LB/MMBTU			0.045	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT F101	NATURAL GAS	14.34	MMBTU/H	UNIT F101 IS A JOHNSTON BOILER AT FLAMINGO LAS VEGAS. THIS UNIT MAY OPERATE 8,760 HOURS PER YEAR.	FLUE GAS RECIRCULATION	0.0054	LB/MMBTU			0.078	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA01	NATURAL GAS	16.8	MMBTU/H	UNIT BA01 IS A KEWANEE BOILER AT BALLY'S LAS VEGAS. UNIT BA01 IS IDENTICAL TO UNIT BA02. THE TWO BOILERS ARE SUBJECT TO THE ANNUAL LIMIT OF COMBINED TOTAL OPERATING TIME FOR 10,900 HOURS PER YEAR.	FLUE GAS RECIRCULATION	0.0054	LB/MMBTU			0.09	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA03	NATURAL GAS	31.38	MMBTU/H	UNIT BA03 IS A KEWANEE BOILER AT BALLY'S LAS VEGAS. THE ANNUAL OPERATING TIME IS LIMITED TO 2,920 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0054	LB/MMBTU			0.17	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP01	NATURAL GAS	35.4	MMBTU/H	UNIT CP01 IS A HURST BOILER AT CAESARS PALACE. UNIT CP01 IS IDENTICAL TO UNIT CP02. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	FLUE GAS RECIRCULATION AND OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0054	LB/MMBTU			0.19	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP03	NATURAL GAS	33.48	MMBTU/H	UNIT CP03 IS A BURNHAM BOILER AT CAESARS PALACE. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0054	LB/MMBTU			0.18	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP26	NATURAL GAS	24	MMBTU/H	UNIT CP26 IS A UNILUX BOILER AT CAESARS PALACE. THE UNIT IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0054	LB/MMBTU			0.13	LB/H		0.0054	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT IP04	NATURAL GAS	16.7	MMBTU/H	UNIT IP04 IS A KEWANEE BOILER AT IMPERIAL PALACE. UNIT IP04 IS IDENTICAL TO UNIT IP05. EITHER BOILER IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0053	LB/MMBTU			0.09	LB/H		0.0053	LB/MMBTU	
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC001, CC002, AND CC003 AT CITY CENTER	NATURAL GAS	41.64	MMBTU/H	THE THREE UNITS ARE IDENTICAL NEBRASKA BOILERS, EACH OF WHICH IS RATED AT 41.64 MMBTU/H. EACH UNIT IS ALLOWED TO OPERATE 24 HOURS/DAY AND UP TO 5,800 HOURS/YEAR. THE EMISSION LIMITS REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	LIMITING THE FUEL TO NATURAL GAS ONLY AND GOOD COMBUSTION PRACTICES	0.0024	LB/MMBTU			2.63	LB/D		0.0024	LB/MMBTU	
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC006, CC007 AND CC008 AT CITY CENTER	NATURAL GAS	44	MMBTU/H	THE THREE UNITS ARE IDENTICAL CATERPILLAR BOILERS, EACH RATED AT 44 MMBTU/H. EACH UNIT IS SUBJECT TO THE ANNUAL LIMIT OF OPERATING TIME TO 5,800 HOURS. THE EMISSION LIMITS ARE BASED ON THE ATC PERMIT FOR MODIFICATION #13 DATED NOVEMBER 30, 2009.	LIMITING THE FUEL TO NATURAL GAS ONLY AND GOOD COMBUSTION PRACTICES	0.0055	LB/MMBTU			0.24	LB/H		0.0055	LB/MMBTU	
OH-0309	TOLEDO SUPPLIER PARK- PAINT SHOP	5/3/2007	BOILER (2), NATURAL GAS	NATURAL GAS	20.4	MMBTU/H	TWO BOILERS WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION. WITH #2 OIL BACKUP		0.11	LB/H			0.5	T/YR		0.0054	LB/MMBTU	
OH-0323	TITAN TIRE CORPORATION OF BRYAN	6/5/2008	BOILER	NATURAL GAS	50.4	MMBTU/H	TWO SET OF LIMITS, THIS ONE FOR NATURAL GAS		0.27	LB/H			1.18	T/YR		0		
*OH-0350	REPUBLIC STEEL	7/18/2012	Steam Boiler	Natural Gas	65	MMBTU/h	Natural Gas-fired steam boiler to vacuum tank degasser	Proper burner design and good combustion practices	0.35	LB/H			1.52	T/YR		0		
*OH-0352	OREGON CLEAN ENERGY CENTER	6/18/2013	Auxiliary Boiler	Natural Gas	99	MMBTU/h	99 MMBTU/H auxiliary boiler with low-NOx burners and flue gas re-circulation, burning only natural gas. Boiler restricted to 2000 hours of operation per rolling 12-months.	Good combustion practices and using combustion optimization technologies	0.59	LB/H			0.59	T/YR	PER ROLLING 12-MONTHS	0.006	LB/MMBTU	
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	AUXILIARY BOILER	NATURAL GAS	33.5	MMBTU/H		GOOD COMBUSTION	0.54	LB/H			0			0		
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.		0.5	LB/H			0			0		
*OR-0050	TROUTDALE ENERGY CENTER, LLC	3/5/2014	Auxiliary boiler	natural gas	39.8	MMBTU/hr		Utilize Low-NOx burners and FGR.	0.005	LB/MMBTU	3-HR BLOCK AVERAGE		0			0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.0015	LB/MMBTU			0.14	T/YR	12-MONTH ROLLING TOTAL	0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC LLC/ONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBTU/hr		Use of natural gas	0.14	T/YR	BASED ON 12-MONTH ROLLING TOTAL		0			0		
SC-0112	NUCOR STEEL - BERKELEY	5/5/2008	VACUUM DEGASSER BOILER	NATURAL GAS	50.21	MMBTU/H		NATURAL GAS COMBUSTION WITH GOOD COMBUSTION PRACTICES PER MANUFACTURERS GUIDANCE	0.0026	LB/MMBTU			0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU003	NATURAL GAS	46	MMBTU/H		Good combustion practices and limited use of fuel oil	0.003	LB/MMBTU	3-HOUR AVERAGE		0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU004	NATURAL GAS	46	MMBTU/H		Good combustion practices and limited use of fuel oil	0.003	LB/MMBTU	3-HOUR		0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU005	NATURAL GAS	46	MMBTU/H		Good combustion practices and limited use of fuel oil	0.003	LB/MMBTU	3-HOUR		0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H		Good combustion practices and limited use of fuel oil	0.003	LB/MMBTU	3-HOUR		0			0		
*SC-0160	USR FACILITY	12/13/2012	BOILERS (BL01) & (BL02)	NATURAL GAS	33.6	MMBTU/H	THE CONSTRUCTION PERMIT AUTHORIZES THE MODIFICATION TO THE TWO EXISTING BOILERS BY ADDING LARGER BURNERS. THIS PROCESS AND POLLUTANT INFORMATION IS FOR ONE BOILER		0.18	LB/H			0.0054	LB/MMBTU		0		
TX-0501	TEXSTAR GAS PROCESS FACILITY	7/11/2006	POWER STEAM BOILER	NATURAL GAS	93	MMBTU/H			0.46	LB/H			0.38	T/YR				
*TX-0751	EAGLE MOUNTAIN STEAM ELECTRIC STATION	6/18/2015	Commercial/Institutional Size Boilers (<110 MMBtu) @ natural gas	natural gas	73.3	MMBTU/hr				4	PPMVD @ 3% O2	1-HR AVG				0		
*TX-0772	PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Institutional Size Boilers/Furnaces	natural gas	40	MMBTU/hr	Hot oil heater	Good combustion practice to ensure complete combustion.	0.94	T/YR			0			0		
*TX-0772	PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Institutional Size Boilers/Furnaces	natural gas	95.7	MMBTU/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Good combustion practice to ensure complete combustion.		5.42	T/YR			0		0		
*TX-0772	PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Institutional Size Boilers/Furnaces	natural gas	13.2	MMBTU/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.	Good combustion practice to ensure complete combustion.		0.3	T/YR					0		

Table D-B-3
Volatile Organic Compounds (VOC) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*WY-0075	CHEYENNE PRAIRIE GENERATING STATION	7/16/2014	Auxiliary Boiler	natural gas	25.06	MMBtu/h		good combustion practices	0.0017	LB/MMBTU	3 HOUR AVERAGE	0.1	LB/H	3 HOUR AVERAGE	0		
	Astoria Energy LLC		Auxiliary Boiler	Natural Gas	99	MMBtu/hr		Clean Fuel	0.002	LB/MMBTU	1-hr average						
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	0.4	LB/H	1-hr average	0.005	lb/MMBtu	1-hr average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	11.8	oz	PPMVD @ 15% 1-hr average						
	CPV Valley Energy Center Wawayanda, NY		Auxiliary Boiler	Natural Gas	73.5	MMBtu/hr		Good combustion controls.	0.0038	LB/MMBTU	1-hr average						
	Cricket Valley Energy Center		Auxiliary Boiler	Natural Gas	48.63	MMBtu/hr			0.0015	LB/MMBTU							
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr		Use of natural gas	0.27	LB/H							
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			0.005	LB/MMBTU	12 month-period	0.57	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			1.1	T/YR							
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.006	LB/MMBTU	12 month-period	0.83	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr		Use of natural gas	0.34	T/YR							
	LAWRENCE ENERGY CENTER LLC		Auxiliary Boiler	Natural Gas	99	MMBTU/hr			0.0055	LB/MMBTU		0.545	LB/H	12 month-period			
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #2	Natural Gas	61.2	MMBTU/hr			0.006	LB/MMBTU	3-hr						
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #6	Natural Gas	84	MMBtu/hr			0.005	LB/MMBTU	3-hr	0.4	LB/H	3-hr			
	Woodbridge Energy Center		Auxiliary Boiler	Natural Gas	91.6	MMBtu/hr		Good combustion practices	0.0015	LB/MMBTU		0.14	LB/H				
	York Energy Center Block 2	42170	Auxiliary Boiler	Natural Gas	61	MMBtu/hr		Use of natural gas	0.004	lb/MMBtu		1.1	T/YR				
	MOUNDSVILLE COMBINED CYCLE POWER PLANT	41773	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			0.6	LB/H		0.6	T/YR				

Table D-B-4
Particulate Matter (PM) RBL Search - Auxiliary Boiler
Invenery, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
FL-0356	ORFEOHORE CLEAN ENERGY CENTER	3/9/2016	Auxiliary Boiler 99.8 MMBtu/hr	Natural gas	99.8	MMBtu/hr	Fires only natural gas with a sulfur content of 2 gr S/100 SCF. Limited to 2000 hr/yr.	Use of clean fuels	2	gr S/100 scf natural gas		10	% OPACITY		0		
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	NATURAL GAS AUXILIARY BOILERS (EU-012A, EU-012B, EU-012C)	Natural gas	99.8	MMBtu/hr	Fueled only with natural gas with sulfur content of 2 gr S/ 100 scf	Clean fuels	2	gr S/100 scf natural gas		20%	opacity		0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017		NATURAL GAS	218.6	MMBTU/H		PROPER DESIGN AND GOOD COMBUSTION PRACTICES AT ALL TIMES THE BOILERS ARE IN OPERATION.	1.9	LB/MMCF EACH	3 HOUR AVERAGE	0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	EU/AUXBOILER (Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Good combustion practices.	0.005	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	0			0		
MI-0424	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/5/2016	EU/AUXBOILER (Auxiliary boiler)	natural gas	83.5	MMBTU/H	One natural gas fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EU/AUXBOILER).	Good combustion practices.	0.0018	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	0			0		
*MI-0433	MEC NORTH, LLC AND MEC SOUTH LLC	6/29/2018	EU/AUXBOILER (North Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices.	0.005	LB/MMBTU	HOURLY	0			0		
*MI-0433	MEC NORTH, LLC AND MEC SOUTH LLC	6/29/2018	EU/AUXBOILER (South Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/h	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices.	0.005	LB/MMBTU	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EU/AUXBOILER: Auxiliary Boiler	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTGHRSG train and to provide steam to the steam turbine generator seals. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices, low sulfur fuel	0.007	LB/MMBTU	HOURLY	0.7	LB/H	HOURLY	0		
NJ-0084	SEAWREN GENERATING STATION	3/10/2016	auxiliary boiler	natural gas	687	MMCF/YR	Maximum heat input rate for natural gas fired auxiliary boiler is 80 MMBtu/hr (HHV) permitted to operate for 8760 hrs/yr.	Use of natural gas a clean burning	0.26	LB/H	AV OF THREE ONE HOUR STACK TESTS	0			0		
NJ-0085	MIDDLESEX ENERGY CENTER, LLC	7/19/2016	AUXILIARY BOLER	Natural GAS	4000	HYR		USE OF NATURAL GAS A CLEAN BURNING FUEL	0.181	LB/H	AV OF THREE ONE HOUR STACK TESTS INITIALLY	0			0		
NY-0103	CRICKET VALLEY ENERGY CENTER	2/3/2016	Auxiliary boiler	natural gas	60	MMBTU/H	Limited to 4,500 HYR	good combustion practices and pipeline quality natural gas	0.005	LB/MMBTU	1 H	0			0		
*PA-0310	CPV FAIRVIEW ENERGY CENTER	9/2/2016	Auxiliary boiler	Natural Gas	92.4	MMBTU/hr	Operation of the auxiliary boiler shall not exceed 4000 hrs in any continuous 12-month period.	ULSD and good combustion practices	0.007	LB/MMBTU	1.29 TPY	12-MONTH ROLLING BASIS			0		
*WV-0029	POWER PLANT	3/27/2018	Auxiliary Boiler	Natural Gas	77.8	mmBTU/hr	Annual emission based on 4600 hours/year.	Use of Natural Gas, Good Combustion Practices	0.6	LB/HR	1.38 TONS/YEAR	0.008	LB/MMBTU				
*WV-0031	MCKINSHILL HILL COMPRESSOR STATION	6/14/2018	WH-1 - Boiler	Natural Gas	8.72	mmBTU/hr	Used to generated heat for the new building associated with the project during the heating season.	Limited to natural gas.	0		0	0.28	TON/YEAR				12-MONTH ROLLING
AL-0231	NUCOR DECATUR LLC	6/12/2007	VACUUM DEGASSER BOILER	NATURAL GAS	95	MMBTU/H			0.0076	LB/MMBTU	LB/MM SCF OF NATURAL GAS USED	0.72	LB/H		0		
*AL-0280	LENZING FIBERS, INC.	12/6/2011	Natural Gas Fired Boiler #3	Natural Gas	100	MMBTU/Hr		Good Combustion Practices	7.6	LB/MMSCF	0.0075	LB/MMBTU			0		
*AL-0282	LENZING FIBERS, INC.	1/22/2014	Natural Gas Fired Boilers (3)	Natural Gas	100	mm btu/hr		Good combustion Practices.	0.0075	LB/MMBTU	0				0		
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	TWO (2) NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	GOOD COMBUSTION PRACTICES AND FUEL SPECIFICATIONS	0.0075	LB/MMBTU	3 HOURS	0.6	LB/H	3 HOURS	0		
MD-0040	CPV ST CHARLES	11/12/2009	NATURAL GAS AUXILIARY BOILER	NATURAL GAS	93	MMBTU/H	NATURAL GAS FUEL ONLY. OPERATION OF LOW-NOX BURNER TECHNOLOGY, FLUE GAS RECIRCULATION (FGR), GOOD COMBUSTION CONTROLS, MAX HEAT INPUT OF 377,000 MMBTU/HR	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	3-HR AVERAGE	0			0		
*MD-0041	CPV ST. CHARLES	4/23/2014	AUXILIARY BOILER	NATURAL GAS	93	MMBTU/H	NATURAL GAS FUEL ONLY. OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H			0.0075	LB/MMBTU		0			0		
*MI-0410	THEFTORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers &h; 100 MMBTU/H heat input each	natural gas	100	MMBTU/H heat input	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input.	Fuel usage limited to not more than 416.3 MMscf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Efficient combustion; natural gas fuel.	0.0018	LB/MMBTU	HEAT INPUT; TEST PROTOCOL WILL SPECIFY	0		0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EU/AUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBtu/hr fuel heat input (EU/AUXBOILERB within flexible group FGAUXBOILERS).	Good combustion practices	0.0018	LB/MMBTU	TEST PROTOCOL	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EU/AUXBOILER A)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBTU/hr fuel heat input (EU/AUXBOILER A within flexible group FGAUXBOILERS).	Good combustion practices	0.0018	LB/MMBTU	TEST PROTOCOL	0			0		
NJ-0079	WOODBRIDGE ENERGY CENTER	7/25/2012	Commercial/Industrial size boilers less than 100 MMBtu/hr	natural gas	91.6	MMBtu/hr	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	use of Natural gas	0.17	LB/H	AVERAGE OF THREE TESTS	0			0		
NJ-0080	HESS NEWARK ENERGY CENTER	11/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	51.9	mmcubic ft/year		use of natural gas a clean fuel	0.22	LB/H	AVERAGE OF THREE TESTS	0			0		
OH-0309	TOLEDO SUPPLIER PARK-PAINT SHOP	5/3/2007	BOILER (2), NATURAL GAS	NATURAL GAS	20.4	MMBTU/H	TWO BOILERS WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION. WITH #2 OIL BACKUP		0.04	LB/H	LB/YR	0.0019	LB/MMBTU				
OH-0323	TITAN TIRE CORPORATION OF BRYAN	6/5/2008	BOILER	NATURAL GAS	50.4	MMBTU/H			0.02	LB/MMBTU		0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU003	NATURAL GAS	46	MMBTU/H			0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU003	NATURAL GAS	46	MMBTU/H			0.002	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU004	NATURAL GAS	46	MMBTU/H			0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU004	NATURAL GAS	46	MMBTU/H			0.002	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU005	NATURAL GAS	46	MMBTU/H			0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU005	NATURAL GAS	46	MMBTU/H			0.002	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H			0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H			0.002	LB/MMBTU	3-HOUR	0			0		
	Astoria Energy LLC		Auxiliary Boiler	Natural Gas	99	MMBtu/hr		Clean Fuel	0.005	LB/MMBTU	1-hr average	0.495	LB/H	1-hour average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	0.4	LB/H	1-hr average	0.005	lb/MMBtu	1-hr average			

Table D-B-4
Particulate Matter (PM) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
	CPV Valley Energy Center		Auxiliary Boiler	Natural Gas	73.5	MMBtu/hr		Low sulfur fuel.	0.0063	LB/MMBTU	1-hr average						
	Wawoyanda, NY		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr			12.62	LB/H	1 time stack test						
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	99	MMBTU/hr			0.0076	LB/MMBTU		0.76	LB/H				
	LAWRENCE ENERGY CENTER LLC		Auxiliary Boilers #1 and #2	Natural Gas	80	MMBtu/hr			0.0075	LB/MMBTU	3-hr	0.6	LB/H	3-hr			
	St. Joseph's Energy Center		Auxiliary Boiler	Natural Gas	61	MMBtu/hr			0.005	lb/MMBtu		1.3	T/YR				
	York Energy Center Block 2	42170	Auxiliary Boiler	Natural Gas													
	MOUNDVILLE COMBINED CYCLE POWER PLANT	41773	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			0.5	LB/H		0.5	T/YR				

Table D-B-5
Particulate Matter, 10 Microns (PM₁₀) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	99.8 MMBtu/hr auxiliary boiler	Natural gas	99.8	MMBtu/hr	Fueled only with natural gas.	Clean fuels		gr S/100 scf natural gas			20 % OPACITY		0		
IN-0263	MIDWEST FERTILIZER COMPANY, LLC	3/23/2017	NATURAL GAS AUXILIARY BOILERS (EU-012A, EU-012B, EU-012C)	NATURAL GAS	218.6	MMBTU/H		PROPER DESIGN AND GOOD COMBUSTION PRACTICES AT ALL TIMES THE BOILERS ARE IN OPERATION.	7.6	LB/MMCF EACH	3 HOUR AVERAGE			0			
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Auxiliary Boilers and Superheaters	Natural Gas	0		Supplement fuel: fuel gas	good engineering design and proper operation	0					0			
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Auxiliary boilers	natural gas	171	mm Btu/hr	Boilers: 225 MM BTU/hr each	good combustion practices	0					0			
MI-0420	DTE GAS COMPANY - MILFORD COMPRESSOR STATION	6/3/2016	FGAUXBOILERS	Natural gas	6	MMBTU/H	Two natural gas-fired auxiliary boilers, each rated at 6 MMBTU/H fuel heat input. The boilers are identified as EUAUXBOIL2 and EUAUXBOIL3 within the flexible group FGAUXBOILERS. The boilers are subject to 40 CFR Part 63 Subpart DDDDD, which requires tune ups.	Good combustion practices and low sulfur fuel (pipeline quality natural gas).	0.0075	LB/MMBTU	TEST PROTOCOL			0			
MI-0423	INDECK NILES, LLC	1/4/2017	EUAUXBOILER (Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Good combustion practices.	1.36	LB/H	HOURLY TEST PROTOCOL			0			
MI-0424	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/5/2016	EUAUXBOILER (Auxiliary boiler)	natural gas	83.5	MMBTU/H	One natural gas fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EUAUXBOILER)	Good combustion practices.	0.007	LB/MMBTU	TEST PROTOCOL W/ SPECIFY AVG TIME			0			
MI-0426	DTE GAS COMPANY - MILFORD COMPRESSOR STATION	3/24/2017	FGAUXBOILERS (6 auxiliary boilers EUAUXBOIL2A, EUAUXBOIL2B, EUAUXBOIL2C, EUAUXBOIL2D, EUAUXBOIL2E, EUAUXBOIL2F)	Natural gas	3	MMBTU/H	Four natural gas-fired auxiliary boilers, each rated at 1 MMBTU/H fuel heat input (EUAUXBOIL2A, EUAUXBOIL2B, EUAUXBOIL2C, EUAUXBOIL2D, EUAUXBOIL2E, EUAUXBOIL2F) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparing, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices and low sulfur fuel (pipeline quality natural gas).	0.52	LB/MMSCF	EACH BOILER			0			
*MI-0433	MEC NORTH LLC and MEC SOUTH LLC	6/29/2018	EUAUXBOILER (North Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HFW) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparing, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices	0.46	LB/H	HOURLY			0			
*MI-0433	MEC NORTH LLC and MEC SOUTH LLC	6/29/2018	EUAUXBOILER (South Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HFW) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparing, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices	0.46	LB/H	HOURLY			0			
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUAUXBOILER: Auxiliary Boiler	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTGHRSG train and to provide steam to the steam turbine generator seals. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices, low sulfur fuel	0.007	LB/MMBTU	HOURLY			0.7 LB/H	HOURLY	0	
NJ-0084	PS&G FOSSIL LLC SEWARDEN GENERATING STATION	3/10/2016	Auxiliary Boiler firing natural gas	natural gas	80	MMBtu/hr	Maximum heat input rate for natural gas fired auxiliary boiler is 80 MMBtu/hr (HFW) permitted to operate for 8760 hrs/yr.	use of natural gas a clean burning fuel	0.4	LB/H	AV OF THREE ONE HOUR STACK TESTS			0			
NJ-0085	MIDDLESEX ENERGY CENTER, LLC	7/19/2016	AUXILIARY BOILER	Natural GAS	97.5	MMBtu/hr		USE OF NATURAL GAS A CLEAN BURNING FUEL	0.488	LB/H	AV OF THREE ONE HOUR STACK TESTS INITIALLY			0			
*PA-0310	CPV FAIRVIEW ENERGY CENTER	9/2/2016	Auxiliary boiler	Natural Gas	92.4	MMBtu/hr	Operation of the auxiliary boiler shall not exceed 4000 hrs in any continuous 12-month period.	ULSD and good combustion practices	0.007	LB/MMBTU	12-MONTH ROLLING BASIS			1.29 TPY			
*WV-0031	MCKINNEY HILL COMPRESSOR STATION	6/14/2018	WH-1 - Boiler	Natural Gas	8.72	mmBtu/hr	Used to generated heat for the new building associated with the project during the heating season.	Limited to natural gas	0					0	0.28	TON/YEAR	
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.		0.0074	LB/MMBTU	3-HR AVG			0			
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.	Limited Use (200 hr/yr)	0.0074	LB/MMBTU	3-HR AVG			0			
AL-0230	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	8/17/2007	3 NATURAL GAS-FIRED BOILERS WITH ULNB & amp; EGR (537-539)	NATURAL GAS	64.9	MMBTU each	THIS PROCESS IS COVERED UNDER 503-0095-X026.		0.0076	LB/MMBTU				0.5 LB/H			
AR-0090	NUCOR STEEL, ARKANSAS	4/3/2006	PICKLE LINE BOILERS, SN-52	NATURAL GAS	12.6	MMBTU EACH		GOOD COMBUSTION PRACTICE	0.3	LB/H	1.3 T/YR			0.0076	LB/MMBTU		
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	3/11/2010	AUXILIARY BOILER	NATURAL GAS	35	MMBTU/H		OPERATIONAL RESTRICTION OF 500 HR/YR. USE PUC QUALITY NATURAL GAS.	0.2	GR S/100 SCF				0			
CA-1192	AVENAL ENERGY PROJECT	6/21/2011	AUXILIARY BOILER	NATURAL GAS	37.4	MMBTU/H		USE PUC QUALITY NATURAL GAS. OPERATIONAL LIMIT OF 46,675 MMBTU/YR.	0.0034	GR S/100 SCF				0			
CA-1192	AVENAL ENERGY PROJECT	6/21/2011	AUXILIARY BOILER	NATURAL GAS	37.4	MMBTU/H		USE PUC QUALITY NATURAL GAS. OPERATIONAL LIMIT OF 46,675 MMBTU/YR.	0.0034	GR S/100 SCF				0			
FL-0286	FPL WEST COUNTY ENERGY CENTER	1/10/2007	TWO 99.8 MMBTU/H GAS-FUELED AUXILIARY BOILERS	NATURAL GAS	99.8	MMBTU/H	PRODUCE 85,000 LB/HR STEAM EACH			2 GR S/100 SCF				0			
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hr each	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	2	GR S/100 SCF				0			
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hr each	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	2	GR S/100 SCF				0			
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler TWO (2) NATURAL GAS AUXILIARY BOILERS	natural gas	60.3	mmBtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period		0.008	LB/MMBTU	AVERAGE OF 3 ONE-HOUR TEST RUNS			0			
*IN-0158	ST. JOSEPH ENERGY CENTER, LLC	12/3/2012	NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	GOOD COMBUSTION PRACTICES AND FUEL SPECIFICATIONS	0.0075	LB/MMBTU	3 HOURS			0.6 LB/H	3 HOURS	0	
LA-0240	FLOPAM INC.	6/14/2010	Boilers	natural gas	25.1	MMBTU/H		Good equipment design and proper combustion practices, fueled by natural gas/alcohol	0.1	LB/H	HOURLY MAXIMUM			0.005	LB/MMBTU	0	
LA-0240	FLOPAM INC.	6/14/2010	Boilers	natural gas	25.1	MMBTU/H		Good equipment design and proper combustion practices, fueled by natural gas/alcohol	0.13	LB/H	HOURLY MAXIMUM			0.005	LB/MMBTU	0	
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBtu/hr			0.005	LB/MMBTU	1 HR AVG, DOES NOT APPLY DURING SS			0.4 LB/H	1 HR AVG, DOES NOT APPLY DURING SS	0	
MD-0040	CPV ST CHARLES	11/12/2008	BOILER	NATURAL GAS	93	MMBTU/H	AUXILIARY BOILER		0.005	LB/MMBTU	3-HR AVERAGE			0			

Table D-B-5
Particulate Matter, 10 Microns (PM₁₀) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*MD-0041	CPV ST. CHARLES	4/23/2014	AUXILIARY BOILER	NATURAL GAS	93	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF LOW-NOX BURNER TECHNOLOGY, FLUE GAS RECIRCULATION (FGR), GOOD COMBUSTION CONTROLS, MAX HEAT INPUT OF 372,000 MMBTU/HR	USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	3-HOUR AVERAGE	0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
*MI-0410	THETFORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers &h; 100 MMBTU/H heat input each	natural gas	100	MMBTU/H heat input each	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input. Fuel usage limited to not more than 416.3 MMscf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Efficient combustion; natural gas fuel.	0.007	LB/MMBTU	HEAT INPUT; TEST PROTOCOL SPECIFY AVG	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EUAUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBtu/hr fuel heat input (EUAUXBOILERB within flexible group FGAUXBOILERS).	Good combustion practices	0.007	LB/MMBTU	TEST PROTOCOL	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EUAUXBOILERA)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBtu/hr fuel heat input (EUAUXBOILERA within flexible group FGAUXBOILERS).	Good combustion practices	0.007	LB/MMBTU	TEST PROTOCOL	0			0		
MN-0070	MINNESOTA STEEL INDUSTRIES, LLC	9/7/2007	SMALL BOILERS & HEATERS(&h;100 MMBTU/H)	NATURAL GAS	99	MMBTU/H			0.0025	GR S/100 SCF	3 HOUR AVERAGE	0			0		
*MS-0092	EMBERCLEAR GTL MS	5/8/2014	261 MMBtu/h natural gas-fired boiler, equipped with low-NOx burners, SCR, and CO catalytic oxidation	NATURAL GAS	261	MMBTU/H			1.31	LB/H	3-HR AVERAGE	0			0		
*MS-0092	EMBERCLEAR GTL MS	5/8/2014	261 MMBtu/h natural gas-fired boiler, equipped with low-NOx burners, SCR, and CO catalytic oxidation	NATURAL GAS	261	MMBTU/H			1.31	LB/H	3-HR AVERAGE	0			0		
NJ-0079	WOODBRIDGE ENERGY CENTER	7/25/2012	Commercial/Institutional size boilers less than 100 MMBtu/hr	natural gas	91.6	MMBTU/hr	The auxiliary boiler will have a maximum rated heat capacity of 91.6 MMBtu/h and will be limited to natural gas firing only. It will be operated for the purposes of supplying steam during the start-up of the combined cycle unit.	Natural Gas	0.46	LB/H	AVERAGE OF THREE TESTS	0			0		
NJ-0080	HESS NEWARK ENERGY CENTER	11/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	66.2	MMBTU/hr	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	use of natural gas as a clean fuel	0.33	LB/H	AVERAGE OF THREE TESTS	0			0		
NV-0044	HARRAHS OPERATING COMPANY, INC.	1/4/2007	COMMERCIAL/INSTITUTIONAL-SIZE BOILERS	NATURAL GAS	35.4	MMBTU/H	THE BACT DETERMINATIONS REPORTED HEREIN ARE SPECIFICALLY FOR THE TWO HURST BOILERS INSTALLED AT CAESARS PALACE. EACH OF THEM HAS A RATED HEAT INPUT OF 35.4 MMBTU/HR. THE PERMITTING ACTION ALSO APPROVED THE INSTALLATION OF A NUMBER OF SMALL BOILERS, ALL OF WHICH HAVE A RATED HEAT INPUT BELOW THE THRESHOLD OF INSTITUTIONAL SIZE. NATURAL GAS IS THE ONLY FUEL USED FOR ALL BOILERS FOR THIS FACILITY. THE TOTAL INCREASE OF RATED HEAT INPUT FOR ALL THE NEW BOILERS IS 100.7 MMBTU/HR. THE TWO NEW HURST BOILERS HAVE THE COMBINED RATED HEAT INPUT OF 70.8 MMBTU/HR, ACCOUNTING FOR 70% OF THE TOTAL INCREASE.	USE OF NATURAL GAS AS THE ONLY FUEL	0.0075	LB/MMBTU		0.26	LB/H		0.0075	LB/MMBTU	
NV-0046	GOODSPRINGS COMPRESSOR STATION	5/16/2006	COMMERCIAL/INSTITUTIONAL-SIZE BOILER	NATURAL GAS	3.85	MMBTU/H	THE UNIT'S MODEL IDENTIFICATION IS PEERLESS 724 FDA WU.	GOOD COMBUSTION PRACTICE	0.0078	LB/MMBTU		0.13	T/YR		0.0078	LB/MMBTU	
NV-0047	NELLIS AIR FORCE BASE	2/26/2008	BOILERS/HEATERS - NATURAL GAS FIRED	NATURAL GAS			THE FACILITY HAS 125 REGULATED UNITS AND 142 EXEMPT UNITS. UNIT RB013 (RITE BOILER, 6.5 MMBTU/HR) IS SELECTED TO SHOW THE BACT DETERMINATIONS.	FLUE GAS RECIRCULATION	0.0077	LB/MMBTU		0.05	LB/H		0.0077	LB/MMBTU	
NV-0048	GOODSPRINGS COMPRESSOR STATION	5/16/2006	COMMERCIAL/INSTITUTIONAL-SIZE BOILER (&h;100 MMBTU/H)	NATURAL GAS	3.85	MMBTU/H	THE PROCESS CONSISTS OF ONE PEERLESS BOILER. THE BOILER IS ALLOWED TO OPERATE 8,760 HOURS PER YEAR.	NATURAL GAS IS THE ONLY FUEL USED BY THE UNIT.	0.0078	LB/MMBTU		0.05	LB/H		0		
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT HA08	NATURAL GAS	8.37	MMBTU/H	THE EMISSION UNIT IS A CLEVER BROOKS BOILER AT HARRAHS LAS VEGAS. UNIT HA08 IS IDENTICAL TO HA09 AND HA10. THE SAME SET OF EMISSION LIMITS APPLIES TO EACH OF THE THREE BOILERS. THE THREE BOILERS ARE SUBJECT TO THE LIMIT OF TOTAL ANNUAL OPERATING TIME FOR 20,000 HOURS PER YEAR. THERE ARE NO BOILERS AT HARRAHS LAS VEGAS, WHICH HAS A THROUGHPUT CAPACITY IN EXCESS OF 10 MMBTU/HR. NO BACT DETERMINATIONS FOR ANY EMISSION UNITS AT BILLS GAMBLIN' HALL & SALON ARE REPORTED HEREIN BECAUSE ALL OF THEM HAVE A VERY SMALL POTENTIAL TO EMIT FOR ANY POLLUTANT.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0075	LB/MMBTU		0.063	LB/H		0.0075	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT FL01	NATURAL GAS	14.34	MMBTU/H	UNIT FL01 IS A JOHNSTON BOILER AT FLAMINGO LAS VEGAS. THIS UNIT MAY OPERATE 8,760 HOURS PER YEAR.	FLUE GAS RECIRCULATION AND OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0075	LB/MMBTU		0.11	LB/H		0.0075	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA01	NATURAL GAS	16.8	MMBTU/H	UNIT BA01 IS A KEWANEE BOILER AT BALLY'S LAS VEGAS. UNIT BA01 IS IDENTICAL TO UNIT BA02. THE TWO BOILERS ARE SUBJECT TO THE ANNUAL LIMIT OF COMBINED TOTAL OPERATING TIME FOR 10,900 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0077	LB/MMBTU		0.13	LB/H		0.0077	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA03	NATURAL GAS	31.38	MMBTU/H	UNIT BA03 IS A KEWANEE BOILER AT BALLY'S LAS VEGAS. THE ANNUAL OPERATING TIME IS LIMITED TO 2,520 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0076	LB/MMBTU		0.24	LB/H		0.0076	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP01	NATURAL GAS	35.4	MMBTU/H	UNIT CP01 IS A HURST BOILER AT CAESARS PALACE. UNIT CP01 IS IDENTICAL TO UNIT CP02. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0076	LB/MMBTU		0.27	LB/H		0.0076	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP03	NATURAL GAS	33.48	MMBTU/H	UNIT CP03 IS A BURNHAM BOILER AT CAESARS PALACE. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0075	LB/MMBTU		0.25	LB/H		0.0075	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP26	NATURAL GAS	24	MMBTU/H	UNIT CP26 IS A UNILUX BOILER AT CAESARS PALACE. THE UNIT IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0075	LB/MMBTU		0.18	LB/H		0.0075	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT PA15	NATURAL GAS	21	MMBTU/H	UNIT PA15 IS A BRYAN BOILER AT PARIS CASINO RESORT. UNIT PA15 IS IDENTICAL TO UNIT PA16. UNIT PA14 IS A BRYAN BOILER RATED AT 17.0 MMBTU/HR. EACH OF THE THREE BOILERS IS SUBJECT TO THE LIMIT OF ANNUAL OPERATING TIME FOR 4,380 HOURS PER YEAR. THEY SHARE THE SAME BACT DETERMINATIONS ON THE PER MMBTU BASIS.	OPERATING IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION	0.0076	LB/MMBTU		0.16	LB/H		0.0076	LB/MMBTU	

Table D-B-5
Particulate Matter, 10 Microns (PM₁₀) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCD	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT IP04	NATURAL GAS	16.7	MMBTU/H	UNIT IP04 IS A KEWANEE BOILER AT IMPERIAL PALACE. UNIT IP04 IS IDENTICAL TO UNIT IP05. EITHER BOILER IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	OPERATING IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION	0.0078	LB/MMBTU		0.13	LB/H		0.0078	LB/MMBTU	
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC001, CC002, AND CC003 AT CITY CENTER	NATURAL GAS	41.64	MMBTU/H	THE THREE UNITS ARE IDENTICAL NEBRASKA BOILERS, EACH OF WHICH IS RATED AT 41.64 MMBTU/H. EACH UNIT IS ALLOWED TO OPERATE 24 HOURS/DAY AND UP TO 5,800 HOURS/ YEAR. THE EMISSION LIMITS REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	LIMITING THE FUEL TO NATURAL GAS ONLY AND GOOD COMBUSTION PRACTICES	0.0077	LB/MMBTU		7.64	LB/D		0.0077	LB/MMBTU	
NY-0095	CAITHNES BELLPORT ENERGY CENTER	5/10/2006	AUXILIARY BOILER	NATURAL GAS	29.4	MMBTU/H	4800 H/YR	LOW SULFUR FUEL	0.0033	LB/MMBTU		0			0		
OH-0309	TOLEDO SUPPLIER PARK PAINT SHOP	5/3/2007	BOILER (2)	NATURAL GAS	20.4	MMBTU/H	TWO BOILERS WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION WITH #2 OIL BACKUP TWO SET OF LIMITS, THIS ONE FOR NATURAL GAS		0.15	LB/H		0.78	T/YR		0.0075	LB/MMBTU	
OH-0323	TITAN TIRE CORPORATION OF BRYAN	6/5/2008	BOILER	NATURAL GAS	50.4	MMBTU/H		use of natural gas	0.094	LB/H		0.41	T/YR		1.9	LB/MMSCF	AP-42 FACTOR
*OH-0350	REPUBLIC STEEL	7/18/2012	Steam Boiler	Natural Gas	65	MMBTU/H	Natural Gas-fired steam boiler to vacuum tank degasser		0.48	LB/H		2.1	T/YR		0		
*OH-0352	OREGON CLEAN ENERGY CENTER	6/18/2013	Auxiliary Boiler	Natural Gas	99	MMBTU/H	99 MMBTU/H auxiliary boiler with low-NOx burners and flue gas re-circulation, burning only natural gas. Boiler restricted to 2000 hours of operation per rolling 12-months.	Clean burning fuel, only burning natural gas	0.79	LB/H		0.79	T/YR	PER ROLLING 12-MONTHS	0.008	LB/MMBTU	
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.		0.6	LB/H		0			0		
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.	Natural Gas	0.5	LB/H	24-HOUR	0			0		
OR-0048	CARTY PLANT	12/29/2010	NATURAL GAS-FIRED BOILER	NATURAL GAS	91	MMBTU/H		CLEAN FUEL	2.5	LB/MMSCF		0			0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.005	LB/MMBTU		0.46	T/YR	12-MONTH ROLLING TOTAL	0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC LLC/ONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBTU/hr		Natural Gas	0.46	T/YR		0			0		
SC-0112	NUCOR STEEL - BERKELEY	5/5/2008	VACUUM DEGASSER BOILER	NATURAL GAS	50.21	MMBTU/H		GOOD COMBUSTION PRACTICES PER MANUFACTURER'S GUIDANCE	0.0076	LB/MMBTU		0			0.0076	LB/MMBTU	
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU003	NATURAL GAS	46	MMBTU/H		Natural gas	0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU004	NATURAL GAS	46	MMBTU/H		Natural gas	0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU005	NATURAL GAS	46	MMBTU/H		Natural gas	0.005	LB/MMBTU	3-HOUR	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H		Natural gas	0.005	LB/MMBTU	3-HOUR	0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Institutional-Size Boilers/Furnaces	natural gas	40	MMBTU/hr	Hot oil heater	Good combustion practice to ensure complete combustion, gaseous fuel	1.31	T/YR		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Institutional-Size Boilers/Furnaces	natural gas	95.7	MMBTU/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Use of gaseous fuel with efficient combustion.	7.49	T/YR		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Institutional-Size Boilers/Furnaces	natural gas	13.2	MMBTU/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.	Good combustion practice to ensure complete combustion.	0.4	T/YR		0			0		
*WY-0075	CHEYENNE PRAIRIE GENERATING STATION	7/16/2014	Auxiliary Boiler	natural gas	25.06	MMBTU/h		good combustion practices	0.0175	LB/MMBTU	3 HOUR AVERAGE	0.4	LB/H	3 HOUR AVERAGE	0		
	Astoria Energy LLC		Auxiliary Boiler	Natural Gas	99	MMBTU/hr		Clean Fuel	0.005	LB/MMBTU	1-hr average	0.495	LB/H	1-hour average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBTU/hr		Pipeline quality NG	0.4	LB/H	1-hr average	0.005	lb/MMBTU	1-hr average			
	CPV Valley Energy Center Wawayanda, NY		Auxiliary Boiler	Natural Gas	73.5	MMBTU/hr		Low sulfur fuel.	0.0063	LB/MMBTU	1-hr average						
	Cricket Valley Energy Center		Auxiliary Boiler	Natural Gas	48.63	MMBTU/hr			0.005	LB/MMBTU							
	Pioneer Valley Energy Center		Auxiliary Boiler	Natural Gas	21	MMBTU/hr			0.0048	LB/MMBTU		0.1	LB/H				
	Tenaska Partners LLC		Auxiliary Boiler	Natural Gas	245	MMBTU/hr			0.0075	LB/MMBTU		4	T/YR	12-month rolling			
	Hea Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBTU/hr		Natural gas	0.33	LB/H	1 time stack test	0.005	lb/MMBTU				
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			0.008	LB/MMBTU	12 month-period	0.79	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			1.58	T/YR							
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.008	LB/MMBTU	12 month-period	0.11	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.46	T/YR							
	Kalama Energy Center		Auxiliary Boiler	Natural Gas	36.5	MMBTU/hr			0.28	LB/H	1-hr avg						
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #1	Natural Gas	61.2	MMBTU/hr			0.01	LB/MMBTU	3-hr						
	PacificCorp's Lake Side Power Plant		Auxiliary Boiler #2	Natural Gas	61.2	MMBTU/hr			0.01	LB/MMBTU	3-hr						

Table D-B-5
Particulate Matter, 10 Microns (PM₁₀) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
	Sevier Power Company Power Plant		Auxiliary Boiler #2	Natural Gas	85	Mmbtu/hr			0.01	LB/MMBTU	3-hr						
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #2	Natural Gas	80	MMBtu/hr			0.0075	LB/MMBTU	3-hr	0.6	LB/H	3-hr			
	York Energy Center Block 2	42170	Auxiliary Boiler	Natural Gas	61	MMBtu/hr		Natural gas	0.005	lb/MMBtu		1.3	T/YR				
	MOONSVILLE COMBINED CYCLE POWER PLANT	41773	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			0.5	LB/H		0.5	T/YR				

Table D-B-6
Particulate Matter, 2.5 Microns (PM_{2.5}) RBLC Search - Auxiliary Boiler
Invenery, LLC - Allegheny County Energy Center Project

RBLCD	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION	
*FL-0363	DANIA BEACH ENERGY CEN	12/4/2017	99.8 MMBtu/hr auxil	Natural gas	99.8	MMBtu/hr	Fueled only with natural gas.	Clean fuels	0			0			0			
IN-0263	MIDWEST FERTILIZER COM	3/23/2017	NATURAL GAS AU	NATURAL GAS	218.6	MMBTU/H		PROPER DESIGN AND GOOD COMBUSTION PRACTICES AT ALL	7.6	LB/MMCF EACH	3 HOUR AVERAGE	0			0			
LA-0305	LAKE CHARLES METHANOL	6/30/2016	Auxiliary Boilers and	Natural Gas	0		Supplement fuel: fuel gas Boilers: 225 MM BTU/hr each	Good engineering design and proper operation	0			0			0			
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Auxiliary boilers	natural gas	171	mm btu/hr		Good combustion practices	0			0			0			
MI-0420	DTE GAS COMPANY-MILFO	6/3/2016	FGAUXBOILERS	Natural gas	6	MMBTU/H	Two natural gas-fired auxiliary boilers, each rated at 6 MMBTU/H fuel heat input. The boilers are	Good combustion practices and low sulfur fuel (pipeline quality natural gas).	0.0075	LB/MMBTU	TEST PROTOCOL	0			0			
MI-0423	INDECK NILES, LLC	1/4/2017	EUAUXBOILER (A)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Good combustion practices.	1.36	LB/H	HOURLY, TEST PR	0			0			
MI-0424	HOLLAND BOARD OF PUBL	12/5/2016	EUAUXBOILER (A)	natural gas	83.5	MMBTU/H	One natural gas fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EUAUXBOILER)	Good combustion practices.	0.007	LB/MMBTU	TEST PROTOCOL	0			0			
MI-0426	DTE GAS COMPANY - MILFO	3/24/2017	FGAUXBOILERS (6	Natural gas	3	MMBTU/H	Four natural gas-fired auxiliary boilers, each rated at 3 MMBTU/H fuel heat input (EUAUXBOIL	Good combustion practices and low sulfur fuel (refined quality natural gas).	0.52	LB/MMSCF	EACH BOILER	0			0			
*MI-0433	MEC NORTH, LLC AND MEC	6/29/2018	EUAUXBOILER (N)	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (BIV) to facilitate startup of the CTG	Good combustion practices.	0.46	LB/H	HOURLY	0			0			
*MI-0433	MEC NORTH, LLC AND MEC	6/29/2018	EUAUXBOILER (Se	Natural gas	61.5	MMBTU/h	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (BIV) to facilitate startup of the CTG	Good combustion practices.	0.46	LB/H	HOURLY	0			0			
*MI-0435	BELLE RIVER COMBINED C	7/16/2018	EUAUXBOILER: A	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTG/HRS	Good combustion practices, low sulfur fuel	0.007	LB/MMBTU	HOURLY	0.7	LB/H	HOURLY	0			
NJ-0084	PSEG FOSSIL LLC SEWAREN	3/10/2016	Auxiliary Boiler firing	natural gas	80	MMBtu/hr	Maximum heat input rate for natural gas fired auxiliary boiler is 80 MMBtu/hr (BIV) permitted to	Use of natural gas a clean burning fuel	0.4	LB/H	AV OF THREE ON	0			0			
NJ-0085	MIDDLESEX ENERGY CENT	7/19/2016	AUXILIARY BOILER	Natural GAS	4000	HYR		USE OF NATURAL GAS A CLEAN BURNING FUEL	0.488	LB/H	AV OF THREE ON	0			0			
*PA-0310	CPV FAIRVIEW ENERGY CE	9/2/2016	Auxiliary boiler	Natural Gas	92.4	MMBtu/hr	Operation of the auxiliary boiler shall not exceed 4000 hrs in any continuous 12-month period.	ULSD and good combustion practices	0.007	LB/MMBTU		1.29	TPY	12-MONTH ROLL	0			
*WV-0031	MOCKINGBIRD HILL COMPR	6/14/2018	WH-1 - Boiler	Natural Gas	8.72	mmBtu/hr	Used to generated heat for the new building associated with the project during the heating season.	Limited to natural gas	0			0			0.28	TON/YEAR		
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.		0.0074	LB/MMBTU	3-HR AVG	0			0			
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.		0.0074	LB/MMBTU	3-HR AVG	0			0			
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	3/11/2010	AUXILIARY BOILER	NATURAL GAS	35	MMBTU/H		OPERATIONAL RESTRICTION OF 500 HR/YR, USE PUC QUALITY NATURAL GAS	0.2	GR S/100 SCF		0			0			
CA-1191	VICTORVILLE 2 HYBRID POWER PROJECT	3/11/2010	AUXILIARY BOILER	NATURAL GAS	35	MMBTU/H		OPERATIONAL RESTRICTION OF 500 HR/YR	0.2	GR S/100 SCF		0			0			
CA-1192	AVENAL ENERGY PROJECT	6/21/2011	AUXILIARY BOILER	NATURAL GAS	37.4	MMBTU/H		USE PUC QUALITY NATURAL GAS, OPERATIONAL LIMIT OF 46,675 MMBTU/YR	0.0034	GR S/100 SCF		0			0			
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hour	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	2	GR S/100 SCF		0			0			
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hour	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	2	GR S/100 SCF		0			0			
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler	natural gas	60.1	mmBtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period		0.008	LB/MMBTU	AVERAGE OF 3 ONE-HOUR TEST RUNS	0			0			
*IN-0158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	TWO (2) NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	GOOD COMBUSTION PRACTICES AND FUEL SPECIFICATIONS	0.0075	LB/MMBTU	3 HOURS	0.6	LB/H	3 HOURS	0			
LA-0240	FLOPAM INC.	6/14/2010	Boilers	natural gas	25.1	MMBTU/H		Good equipment design and proper combustion practices, fueled by natural gas/alcohol	0.13	LB/H	HOURLY MAXIMUM	0.005	LB/MMBTU	1 HR BLOCK AVG. DOES NOT APPLY DURING SS	0			
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBtu/hr		USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	3-HR AVERAGE	0			0			
MD-0040	CPV ST CHARLES	11/12/2008	BOILER	NATURAL GAS	93	MMBTU/H	AUXILIARY BOILER	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0			
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY. GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD		0.0075	LB/MMBTU		0			0			
*MI-0410	THEFTFORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers & k; 100 MMBTU/H heat input each	natural gas	100	MMBTU/H heat input	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input. Fuel usage limited to not more than 416.3 MMcf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Efficient combustion; natural gas fuel.	0.007	LB/MMBTU	HEAT INPUT, TEST PROTOCOL WILL SPECIFY	0			0			
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EUAUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBtu/hr fuel heat input (EUAUXBOILERB within flexible group FGAUXBOILERS).	Good combustion practices	0.007	LB/MMBTU	TEST PROTOCOL	0			0			
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EUAUXBOILERA)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBTU/hr fuel heat input (EUAUXBOILERA within flexible group FGAUXBOILERS).	Good combustion practices	0.007	LB/MMBTU	TEST PROTOCOL	0			0			
NJ-0079	WOODBRIDGE ENERGY CENTER	7/25/2012	Commercial/Instituti onal size boilers less than 100 MMBtu/hr	natural gas	91.6	MMBtu/hr	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	Use of Natural gas	0.46	LB/H	AVERAGE OF THREE TESTS	0			0			
NJ-0080	HESS NEWARK ENERGY CENTER	11/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	51.9	mmcubic ft/year		Use of natural gas a clean fuel	0.33	LB/H	AVERAGE OF THREE TESTS	0			0			
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009 #2	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.		0.6	LB/H		0			0			
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.005	LB/MMBTU		0.46	T/YR	12-MONTH ROLLING TOTAL	0			
*PA-0296	BERKS HOLLOW ENERGY ASSOC LLC/CONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBtu/hr				0.46	T/YR	BASED ON 12-MONTH ROLLING TOTAL	0			0		
SC-0149	KLAUSNER HOLDING USA, INC	1/3/2013	NATURAL GAS BOILER EU006	NATURAL GAS	46	MMBTU/H			0.005	LB/MMBTU	3-HOUR	0			0			
TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLLOAD TERMINAL (PBPPT)	11/6/2015	Commercial/Instituti onal-Size Boilers/Furnaces	natural gas	40	MMBtu/hr	Hot oil heater	Good combustion practice to ensure complete combustion, gaseous fuel	1.31	T/YR		0			0			

Table D-B-6
Particulate Matter, 2.5 Microns (PM_{2.5}) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBL ID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial-Scale Boilers/Furnaces	natural gas	95.7	MMBtu/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Use of gaseous fuel with efficient combustion.	7.49	T/YR		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPTT)	11/6/2015	Commercial/Industrial-Scale Boilers/Furnaces	natural gas	13.2	MMBtu/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.	Good combustion practice to ensure complete combustion.	4	T/YR		0			0		
*WY-0075	CHEYENNE PRAIRIE GENERATING STATION, Footprint Power Salem Harbor Development LP	7/16/2014	Auxiliary Boiler	natural gas	25.06	MMBtu/h		good combustion practices	0.0175	LB/MMBTU	3 HOUR AVERAGE	0.4	LB/H	3 HOUR AVERAGE	0		
	CPV Valley Energy Center		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	0.4	LB/H	1-hr average	0.005	lb/MMBtu	1-hr average			
	Wauwanda, NY		Auxiliary Boiler	Natural Gas	73.5	MMBtu/hr		Low sulfur fuel.	0.0063	LB/MMBTU	1-hr average						
	Cricket Valley Energy Center		Auxiliary Boiler	Natural Gas	48.63	MMBtu/hr			0.005	LB/MMBTU							
	Pioneer Valley Energy Center		Auxiliary Boiler	Natural Gas	21	MMBtu/hr			0.0048	LB/MMBTU		0.1	LB/H				
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr		Natural Gas	0.33	LB/H	1 time stack test	0.005	lb/MMBtu				
	Kalamu Energy Center		Auxiliary Boiler	Natural Gas	38.5	MMBtu/hr			0.28	LB/H	3-hr avg.						
	PacifiCorp's Lake Side Power Plant		Auxiliary Boiler #2	Natural Gas	61.2	MMBTU/hr			0.01	LB/MMBTU	3-hr						
	Sevier Power Company Power Plant		Auxiliary Boiler #2	Natural Gas	85	Mmbtu/hr			0.01	LB/MMBTU	3-hr						
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #2	Natural Gas	80	MMBtu/hr			0.0075	LB/MMBTU	3-hr	0.6	LB/H	3-hr			
	York Energy Center Block 2	42170	Auxiliary Boiler	Natural Gas	61	MMBtu/hr		Natural Gas	0.005	lb/MMBtu		1.3	T/YR				
	MOUNDSVILLE COMBINED CYCLE POWER PLANT	41773	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			0.5	LB/H		0.5	T/YR				

Table D-B-7
Sulfur Dioxide (SO₂) RBL Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
FL-0356	ORKECHORRE CLEAN ENERGY CENTER	3/9/2016	Auxiliary Boiler, 99.8 MMBtu/hr	Natural gas	99.8	MMBtu/hr	Fires only natural gas. Limited to 2000 hr/yr.	Use of low-sulfur gas	2	GR. S/100 SCF GAS		0			0		
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	99.8 MMBtu/hr auxiliary boiler	Natural gas	99.8	MMBtu/hr	Fueled only with natural gas.	Clean fuels	0			0			0		
LA-0305	LANK CHARLES METHANOL FACILITY	6/30/2016	Auxiliary Boilers and Superheaters	Natural Gas	0		Boilers: 225 MM BTU/hr each	Supplement fuel: fuel gas	0			0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	EU/AUX/BOILER (Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Good combustion practices and the use of pipeline quality natural gas.	0.6	LB/MMSCF	BASED ON FUEL RECEIPT RECORDS	2000	GR/MMSCF	BASED UPON FUEL RECEIPT RECORDS	0		
*MI-0433	MEC NORTH, LLC and MEC SOUTH LLC	6/29/2018	EU/AUX/BOILER (North Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices and the use of pipeline quality natural gas.	1.8	LB/MMSCF	MONTHLY	0.6	GR S/100 SCF	FUEL SUPPLIER RECORDS	0		
*MI-0433	MEC NORTH, LLC and MEC SOUTH LLC	6/29/2018	EU/AUX/BOILER (South Plant): Auxiliary Boiler	Natural gas	61.5	MMBTU/h	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including but not limited to steam for sparging, STG seals, etc. The auxiliary boiler is equipped with low NOx burners (LNB) and flue gas recirculation (FGR).	Good combustion practices and the use of pipeline quality natural gas.	1.8	LB/MMSCF	MONTHLY	0.6	GR S/100 SCF	FUEL SUPPLIER RECORDS	0		
NJ-0084	PSFG FOSSEL LLC SEAWREN GENERATING STATION	3/10/2016	Auxiliary Boiler firing natural gas	natural gas	687	MMCF/YR	Maximum heat input rate for natural gas fired auxiliary boiler is 80 MMBtu/hr (HHV) permitted to operate for 8760 hrs/yr.	Use of natural gas a low sulfur fuel	0.12	LB/H		0			0		
NJ-0085	MIDDLESEX ENERGY CENTER, LLC	7/19/2016	AUXILIARY BOILER	Natural GAS	4000	HYR		USE OF NATURAL GAS A CLEAN BURNING LOW SULFUR FUEL	0.128	LB/H		0			0		
AL-0230	THYSSENKRUPP STEEL AND STAINLESS USA, LLC	8/17/2007	3 NATURAL GAS-FIRED BOILERS WITH ULNB &amp; EGR (537-539)	NATURAL GAS	64.9	MMBTU each	THIS PROCESS IS COVERED UNDER 503-0095-X026.	Natural gas	0.0006	LB/MMBTU		0.04	LB/H		0		
AL-0231	NUCOR DECATUR LLC	6/12/2007	VACUUM DEGASSER BOILER	NATURAL GAS	95	MMBTU/H		Natural Gas	0.0006	LB/MMBTU		0.057	LB/H		0		
AR-0090	NUCOR STEEL, ARKANSAS	4/3/2006	PICKLE LINE BOILERS, SN-52	NATURAL GAS	12.6	MMBTU EACH			0.1	LB/H		0.1	T/YR		0.0006	LB/MMBTU	
FL-0286	FPL WEST COUNTY ENERGY CENTER	1/10/2007	TWO 99.8 MMBTU/H GAS-FUELED AUXILIARY BOILERS	NATURAL GAS	99.8	MMBTU/H	PRODUCE 85,000 LB/HR STEAM EACH		2	GR S/100 SCF		0			0		
FL-0335	SUWANNEE MILL	9/5/2012	Four (4) Natural Gas Boilers - 46 MMBtu/hour	Natural Gas	46	MMBTU/H	The four natural gas boilers are used to generate the hot water that is used in the lumber kiln drying process. Two boilers each share a common stack for a total of two stacks. In the initial phase of construction, two natural gas fired boilers will supply hot water to one block of kilns. As other kiln blocks are completed, the two other natural gas boilers will be constructed and brought online. Finally, the two biomass boilers will be built and brought on line.	Good Combustion Practice	2	GR S/100 SCF		0					
*IN-4158	ST. JOSEPH ENEGRY CENTER, LLC	12/3/2012	TWO (2) NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	FUEL SPECIFICATIONS	0.0022	LB/MMBTU	3 HOURS 1HR BLOCK AVG. DOES NOT APPLY DURING SS	0.176	LB/H	3 HOURS 1HR BLOCK AVG. DOES NOT APPLY DURING SS	0		
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBtu/hr			0.9	PPMVD @ 3% O2		0.0015	LB/MMBTU		0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU HR PER 12-MONTH ROLLING PERIOD	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS	0.0006	LB/MMBTU	3-HOUR BLOCK AVERAGE	0					
NJ-0079	WOODBIDGE ENERGY CENTER	7/25/2012	Commercial/Instituti onal size boilers less than 100 MMBtu/hr	natural gas	2000	hours/year	The auxiliary boiler will have a maximum rated heat capacity of 91.6 MMBtu/h and will be limited to natural gas firing only. It will be operated for the purposes of supplying steam during the start-up of the combined cycle unit.	Use of natural gas	0.162	LB/H	AVERAGE OF THREE TESTS	0			0		
NJ-0080	HESS NEWARK ENERGY CENTER	1/1/2012	Boiler less than 100 MMBtu/hr	Natural Gas	66.2	MMBtu/hr	The auxiliary boiler will be equipped with Dry Low-NOx Burners to comply with BACT and LAER.	use of natural gas a clean fuel and a low sulfur fuel	0.08	LB/H		0			0		
NV-0044	HARRAHS OPERATING COMPANY, INC.	1/4/2007	COMMERCIAL/INSTITUTIONAL- SIZE BOILERS/HEATER S - NATURAL GAS-FIRED	NATURAL GAS	35.4	MMBTU/H	THE BACT DETERMINATIONS REPORTED HEREIN ARE SPECIFICALLY FOR THE TWO HURST BOILERS INSTALLED AT CAESARS PALACE. EACH OF THEM HAS A RATED HEAT INPUT OF 35.4 MMBTU/HR. THE PERMITTING ACTION ALSO APPROVED THE INSTALLATION OF A NUMBER OF SMALL BOILERS, ALL OF WHICH HAVE A RATED HEAT INPUT BELOW THE THRESHOLD OF INSTITUTIONAL SIZE. NATURAL GAS IS THE ONLY FUEL USED FOR ALL BOILERS FOR THIS FACILITY. THE TOTAL INCREASE OF RATED HEAT INPUT FOR ALL THE NEW BOILERS IS 100.7 MMBTU/HR. THE TWO NEW HURST BOILERS HAVE THE COMBINED RATED HEAT INPUT OF 70.8 MMBTU/HR, ACCOUNTING FOR 70% OF THE TOTAL INCREASE.	USE OF NATURAL GAS AS THE ONLY FUEL	0.001	LB/MMBTU		0.04	LB/H		0.001	LB/MMBTU	
NV-0047	NELLIS AIR FORCE BASE	2/26/2008	BOILER - UNIT	NATURAL GAS	6.5	MMBtu/hr	THE FACILITY HAS 125 REGULATED UNITS AND 142 EXEMPT UNITS. UNIT R0013 (RITE BOILER, 6.5 MMBTU/HR) IS SELECTED TO SHOW THE BACT DETERMINATIONS.	USE OF PIPELINE-QUALITY NATURAL GAS	0.0015	LB/MMBTU		0.01	LB/H		0.0015	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	FL01	NATURAL GAS	14.34	MMBTU/H	UNIT FL01 IS A JOHNSTON BOILER AT FLAMINGO LAS VEGAS. THIS UNIT MAY OPERATE 8,760 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0006	LB/MMBTU		0.0091	LB/H		0.0006	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA01	NATURAL GAS	16.3	MMBTU/H	UNIT BA01 IS A KEWANE BOILER AT BALLY'S LAS VEGAS. UNIT BA01 IS IDENTICAL TO UNIT BA02. THE TWO BOILERS ARE SUBJECT TO THE ANNUAL LIMIT OF COMBINED TOTAL OPERATING TIME FOR 10,900 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0042	LB/MMBTU		0.01	LB/H		0.0042	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT BA03	NATURAL GAS	31.38	MMBTU/H	UNIT BA03 IS A KIWANEE BOILER AT BALLY'S LAS VEGAS. THE ANNUAL OPERATING TIME IS LIMITED TO 2,920 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0006	LB/MMBTU		0.02	LB/H		0.0006	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP01	NATURAL GAS	35.4	MMBTU/H	UNIT CP01 IS A HURST BOILER AT CAESARS PALACE. UNIT CP01 IS IDENTICAL TO UNIT CP02. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0006	LB/MMBTU		0.02	LB/H		0.0006	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP03	NATURAL GAS	33.48	MMBTU/H	UNIT CP03 IS A BURHAM BOILER AT CAESARS PALACE. UNITS CP01 THROUGH CP05 (FIVE BOILERS) ARE SUBJECT TO THE ANNUAL LIMIT OF TOTAL OPERATING TIME FOR 33,520 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0006	LB/MMBTU		0.02	LB/H		0.0006	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT CP26	NATURAL GAS	24	MMBTU/H	UNIT CP26 IS A LINCOLN BOILER AT CAESARS PALACE. THE UNIT IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0006	LB/MMBTU		0.01	LB/H		0.0006	LB/MMBTU	
NV-0049	HARRAHS OPERATING COMPANY, INC.	8/20/2009	BOILER - UNIT IP04	NATURAL GAS	16.7	MMBTU/H	UNIT IP04 IS A KEWANE BOILER AT IMPERIAL PALACE. UNIT IP04 IS IDENTICAL TO UNIT IP05. EITHER BOILER IS ALLOWED TO OPERATE UP TO 8,760 HOURS PER YEAR.	FUEL IS LIMITED TO NATURAL GAS	0.0006	LB/MMBTU		0.01	LB/H		0.0006	LB/MMBTU	
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC001, CC002/HR, EACH UNIT IS ALLOWED TO OPERATE 24 HOURS/DAY AND UP TO 5,800 HOURS PER YEAR. THE EMISSION LIMITS REPORTED HEREIN ARE BASED ON THE ATC PERMIT FOR MODIFICATION #8 DATED MARCH 30, 2006.	NATURAL GAS	41.64	MMBTU/H	THE THREE UNITS ARE IDENTICAL CATERPILLAR BOILERS, EACH RATED AT 44 MMBTU/HR. EACH UNIT IS SUBJECT TO THE ANNUAL LIMIT OF OPERATING TIME TO 5,800 HOURS. THE EMISSION LIMITS ARE BASED ON THE ATC PERMIT FOR MODIFICATION #13 DATED NOVEMBER 30, 2009.	Limiting the fuel to natural gas only.	0.0007	LB/MMBTU		0.72	LB/D		0.0007	LB/MMBTU	
NV-0050	MGM MIRAGE	11/30/2009	BOILERS - UNITS CC026, CC027 AND CC028 AT CITY CENTER	NATURAL GAS	44	MMBTU/H		Limiting the fuel to natural gas only.	0.0007	LB/MMBTU		0.03	LB/H		0.0007	LB/MMBTU	
NY-0095	CATSKILL BELLEPORT ENERGY CENTER	5/10/2006	AUXILIARY BOILER	NATURAL GAS	29.4	MMBTU/H	4800 HYR	LOW SULFUR FUEL	0.0005	LB/MMBTU		0			0		

Table D-B-7
Sulfur Dioxide (SO₂) RBL Search - Auxiliary Boiler
Invenery, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
OK-009	TOLEDO SUPPLIER PARK- PAINT SHOP	5/3/2007	BOILER (2), NATURAL GAS	NATURAL GAS	20.4	MMBTU/H	TWO BOILERS WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION. WITH #2 OIL BACKUP										
*OK-0350	REPUBLIC STEEL	7/18/2012	Steam Boiler	Natural Gas	65	MMBTU/H	TWO SET OF LIMITS, THIS ONE FOR NATURAL GAS	Natural Gas	0.01	LB/H		3.64	T/YR		0.0006	LB/MMBTU	
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	AUXILIARY BOILER	NATURAL GAS	33.5	MMBTU/H		LOW SULFUR FUEL	0.037	LB/H		0.16	T/YR		0		
OK-0135	PRYOR PLANT CHEMICAL	2/23/2009#2	BOILERS #1 AND #2	NATURAL GAS	80	MMBTU/H	THE BOILERS WILL PROVIDE THE STEAM NEEDED TO OPERATE THE VARIOUS PIECES OF EQUIPMENT AT THE FACILITY.		0.00000	LB/MMBTU		0.2	LB/H		0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.2	LB/H		0.2	LB/MMBTU	STATE LIMIT	0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.0021	LB/MMBTU		0.19		12-MONTH ROLLING TOTAL	0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC LLC/CONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBTU/hr		Natural Gas	0.19	T/YR	BASED ON 12-MONTH ROLLING TOTAL	0			0		
SC-0112	NUCOR STEEL - BERKELEY	5/5/2008	VACUUM DEGASSER BOILER	NATURAL GAS	50.21	MMBTU/H		NATURAL GAS COMBUSTION WITH GOOD COMBUSTION PRACTICES PER MANUFACTURERS GUIDANCE	0.0006	LB/MMBTU		0			0.0006	LB/MMBTU	
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PPTT)	11/6/2015	Commercial Instituti onal-Size Boilers/Furnaces	natural gas	40	MMBTU/hr	Hot oil heater	Good combustion practice to ensure complete combustion.	5	GR S/100 SCF		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PPTT)	11/6/2015	Commercial Instituti onal-Size Boilers/Furnaces	natural gas	95.7	MMBTU/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Fuel total sulfur content will be less than or equal to 5 grains/100 dscf	5	GR S/100 SCF		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PPTT)	11/6/2015	Commercial Instituti onal-Size Boilers/Furnaces	natural gas	13.2	MMBTU/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.	Good combustion practice to ensure complete combustion.	5	GR S/100 SCF		0			0		
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBTU/hr		Pipeline quality NG	0.12	LB/H	1-hr average	0.0015	lb/MMBTU	1-hr average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBTU/hr		Pipeline quality NG	0.9	PPMVD @ 15% O2	1-hr average						
	CPV Valley Energy Center Waywayanda, NY		Auxiliary Boiler	Natural Gas	73.5	MMBTU/hr		Low sulfur fuel.	0.0022	LB/MMBTU	1-hr average						
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			0.003	LB/MMBTU	12 month-period	0.3	LB/H	12 month-period			
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	106	MMBTU/hr			0.6	T/YR							
	SUNBURY GENERATION LP		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.003	LB/MMBTU	12 month-period	0.04	LB/H	12 month-period			
	SUNBURY GENERATION LP LAWRENCE ENERGY CENTER LLC		Auxiliary Boiler	Natural Gas	15	MMBTU/hr			0.17	T/YR							
	PA STATE UNIV/UNIV PARK CAMPUS		Auxiliary Boiler	Natural Gas	99	MMBTU/hr			0.0057	LB/MMBTU		0.56	LB/H	12 month-period			
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 1	Natural Gas	140.196	MCF/hr			4	LB/H							
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 2	Natural Gas	140.196	MCF/hr			4	LB/H							
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 5	Natural Gas	66.176	MCF/hr			4	LB/H							
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 6	Natural Gas	151.96	MCF/hr			4	LB/H							
	PA STATE UNIV/UNIV PARK CAMPUS		WCSP Boiler 8	Natural Gas	151.96	MCF/hr			4	LB/H							
	PA STATE UNIV/UNIV PARK CAMPUS		ECSP Boiler 1	Natural Gas	127.45	MCF/hr			4	LB/H							
	PA STATE UNIV/UNIV PARK CAMPUS		ECSP Boiler 2	Natural Gas	127.45	MCF/hr			4	LB/H							
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #4	Natural Gas	82	MMBTU/hr			0.0022	LB/MMBTU	3-hr	0.176	LB/H	3-hr			
	York Energy Center Block 2	42170	Auxiliary Boiler	Natural Gas	61	MMBTU/hr			0.4	T/YR							
	MOUNDSVILLE COMBINED CYCLE POWER PLANT	41773	Auxiliary Boiler	Natural Gas	100	MMBTU/hr			0.06	LB/H		0.06	T/YR				

Table D-B-8
Sulfuric Acid Mist (H₂SO₄) RBLC Search - Auxiliary Boiler
Invenergy, LLC - Allegheny County Energy Center Project

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	99.9 MMBtu/hr auxiliary boiler	Natural gas	99.9	MMBtu/hr	Fueled only with natural gas.	Clean fuels	2	GR S/100 SCF		0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EU/UX/BOILER: Auxiliary Boiler	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTG/HESG trains and to provide steam to the steam turbine generator seals. The auxiliary boiler	Good combustion practices, low sulfur fuel	0.34	GR S/100 SCF	FUEL SUPPLIER RECORDS	0			0		
NJ-0084	PSIG FOSSIL LLC SEWARDEN GENERATING	3/10/2016	Auxiliary Boiler firing natural gas	natural gas	687	MMCF/YR	Maximum heat input rate for natural gas fired auxiliary boiler is 80 MMBtu/hr (HHV) permitted to operate for 8760 hrs/yr.	Use of natural gas a low sulfur fuel	0.02	LB/H		0			0		
NJ-0085	MIDDLESEX ENERGY CENTER, LLC	7/19/2016	AUXILIARY BOILER	Natural GAS	4000	HYR		USE OF NATURAL GAS A CLEAN BURNING AND LOW SULFUR FUEL	0.01	LB/H		0			0		
NY-0103	CRICKET VALLEY ENERGY CENTER	2/3/2016	Auxiliary boiler	natural gas	60	MMBTU/H	Limited to 4,500 HYR	natural gas with maximum sulfur content 0.4 grains/100 dscf	1.1	10-4 LB/MMBTU	1 H	0			0		
*PA-0310	CPV FAIRVIEW ENERGY CENTER	9/2/2016	Auxiliary boiler	Natural Gas	92.4	MMBtu/hr	Operation of the auxiliary boiler shall not exceed 4000 hrs in any continuous 12-month period.	ULSD and good combustion practices	0.0011	LB/MMBTU	AVG OF 3 1-HR TEST RUNS	20	TPY	12-MONTH ROLLING BASIS	0		
*WV-0029	HARRISON COUNTY POWER PLANT	3/27/2018	Auxiliary Boiler	Natural Gas	77.8	mmBtu/hr	Annual emission based on 4600 hours/year.	Use of Natural Gas	0.0132	LB/HR		0.03	TONS/YEAR		0.0002	LB/MMBTU	
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler	natural gas	60.1	mmBtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period	Use of natural gas, limit of 288.7 MMSCF of NG per year	0.0055	LB/H	AVERAGE OF 3 ONE-HOUR TEST RUNS	0			0		
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBtu/hr			0.0009	LB/MMBTU	1 HR BLOCK AVG. DOES NOT APPLY DURING SS	0.35	PPMVD @ 3% O ₂	1 HR BLOCK AVG. DOES NOT APPLY DURING SS	0		
MD-0040	CPV ST CHARLES	11/12/2008	BOILER	NATURAL GAS	93	MMBTU/H	AUXILIARY BOILER NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER	LOW SULFUR NATURAL GAS WITH A SULFUR CONTENT OF 2.0 GR/100 SCF ON A SHORT-TERM BASIS AND 0.3 GR/100 SCF ON AN ANNUAL BASIS	0.0001	LB/MMBTU	3-HR AVERAGE	0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	AUXILIARY BOILER	NATURAL GAS	45	MMBTU/H	NATURAL GAS FUEL ONLY, OPERATION OF ULTRA LOW-NOX BURNER TECHNOLOGY, GOOD COMBUSTION PRACTICES, MAX HEAT INPUT OF 90,000 MMBTU/HR PER 12-MONTH ROLLING PERIOD	EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS	0.004	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
*OH-0352	OREGON CLEAN ENERGY CENTER	6/18/2013	Auxiliary Boiler	Natural Gas	99	MMBtu/H	99 MMBTU/H auxiliary boiler with low-NOx burners and flue gas re-circulation, burning only natural gas. Boiler restricted to 2000 hours of operation per rolling 12-months.	only burning natural gas 0.5 GR/100 SCF	0.011	LB/H		0.011	T/YR	PER ROLLING 12-MONTHS	0.0001	LB/MMBTU	
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOILER	Natural Gas	40	MMBTU/H			0.0005	LB/MMBTU		0.04	T/YR	12-MONTH ROLLING TOTAL	0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC. LLC/CONTELAUNEE	12/17/2013	Auxiliary Boiler	Natural Gas	40	MMBtu/hr			0.04	T/YR	BASED ON 12-MONTH ROLLING TOTAL	0			0		
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	0.072	LB/H	1-hr average	0.0009	lb/MMBtu	1-hr average			
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	0.35	O ₂	1-hr average						
	CPV Valley Energy Center Waynesville, NY		Auxiliary Boiler	Natural Gas	73.5	MMBtu/hr		Low sulfur fuel	0.0002	LB/MMBTU	1-hr average						
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr			0.006	LB/H							
	Woodbridge Energy Center		Auxiliary Boiler	Natural Gas	91.6	MMBtu/H		Use of natural gas	0.00014	LB/MMBTU		0.012	LB/H				
	York Energy Center Block 2	4/21/70	Auxiliary Boiler	Natural Gas	61	MMBtu/hr		Use of natural gas with sulfur content limited to 0.5 gr/100 dscf	0.000046	lb/MMBtu		0.0122	T/YR				
	MOONSVILLE COMBINED CYCLE POWER PLANT	4/17/73	Auxiliary Boiler	Natural Gas	100	MMBtu/hr			0.01	LB/H		0.01	T/YR				

**Table D-B-9
Greenhouse Gases (GHG) RBL Search - Auxiliary Boiler
Invenery, LLC - Allegheny County Energy Center Project**

RBLID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG. TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG. TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG. TIME CONDITION
FL-0356	OKEECHOBEE CLEAN ENERGY CENTER	3/9/2016	Auxiliary Boiler, 99.8 MMBtu/hr	Natural gas	99.8	MMBtu/hr	Fires only natural gas. Limited to 2000 hr/yr.	Use of natural gas only	0			0			0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	03/23/2017 &supp;ACT	NATURAL GAS AUXILIARY	NATURAL GAS	218.6	MMBTU/H		GOOD COMBUSTION PRACTICES AT ALL TIMES THE BOILERS ARE IN	59.61	TON/MMCF EACH	3 HOUR AVERAGE	1877.39	MMCF/12 MONTH EACH	ROLLING AVERAGE	0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Auxiliary Boilers and Superheaters	Natural Gas	0		Supplement fuel: fuel gas Boilers: 225 MM BTU/hr each	good equipment design and good combustion practices	0			0			0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Auxiliary boilers	natural gas	171	mm btu/hr		good combustion/operating/maintenance practices and fueled by natural gas	0			0			0		
MI-0420	DTE GAS COMPANY - MILFORD COMPRESSOR	6/3/2016	FGAUXBOILERS (Auxiliary Boiler)	natural gas	6	MMBTU/H	Two natural gas-fired auxiliary boilers, each rated at 6 MMBTU/H fuel heat input. The boilers are identified as EU/AUXBOIL2 and EU/AUXBOIL3 within the flexible group FGAUXBOILERS.	Use of pipeline quality natural gas and energy efficiency measures.	6155	T/YR	12-MO ROLLING TIME PERIOD	0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	EU/AUXBOILER (Auxiliary Boiler)	natural gas	182	MMBTU/H	One natural gas-fired auxiliary boiler rated at 182 MMBTU/H fuel heat input.	Energy efficiency measures and the use of a low carbon fuel (pipeline quality natural gas)	93346	T/YR	12-MO ROLLING TIME PERIOD	0			0		
MI-0424	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH	12/5/2016	EU/AUXBOILER (Auxiliary boiler)	natural gas	83.5	MMBTU/H	One natural gas fired auxiliary boiler rated at 83.5 MMBTU/hr fuel heat input (EU/AUXBOILER).	Good combustion practices.	43283	T/YR	12-MO ROLLING TIME PERIOD	0			0		
MI-0426	DTE GAS COMPANY - MILFORD COMPRESSOR	3/24/2017	FGAUXBOILERS (6 auxiliary boilers)	Natural gas	3	MMBTU/H	Four natural gas-fired auxiliary boilers, each rated at 3 MMBTU/H fuel heat input (EU/AUXBOIL2A, EU/AUXBOIL3A, EU/AUXBOIL2B and EU/AUXBOIL3B) to	Use of pipeline quality natural gas and energy efficiency measures.	7324	T/YR	COMBINED FOR ALL BOILERS	0			0		
*MI-0433	MEC NORTH LLC and MEC SOUTH LLC	6/29/2018	EU/AUXBOILER (North Plant)	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including	Energy efficiency measures and the use of a low carbon fuel (pipeline quality natural gas)	31540	T/YR	12-MO ROLLING TIME PERIOD	0			0		
*MI-0433	MEC NORTH LLC and MEC SOUTH LLC	6/29/2018	EU/AUXBOILER (South Plant)	Natural gas	61.5	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 61.5 MMBTU/H (HHV) to facilitate startup of the CTGHRSG train and to provide the required steam to support the startup of the facility, including	Energy efficiency measures and the use of a low carbon fuel (pipeline quality natural gas)	31540	T/YR	12-MO ROLLING TIME PERIOD	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EU/AUXBOILER (Auxiliary Boiler)	Natural gas	99.9	MMBTU/H	A natural gas-fired auxiliary boiler, rated at 99.9 MMBTU/H to facilitate startup of the CTGHRSG train and to provide steam to the steam turbine generator seals. The auxiliary boiler	Energy efficiency measures, use of natural gas.	25623	T/YR	12-MO ROLLING TIME PERIOD	0			0		
NY-0103	CRICKET VALLEY ENERGY CENTER	2/3/2016	Auxiliary boiler	natural gas	60	MMBTU/H	Limited to 4,500 H/YR	good combustion practiced and pipeline quality natural gas	119	LB/MMBTU	12 MO	0			0		
TX-0813	ODESSA PETROCHEMICAL PLANT	11/22/2016	Boilers	natural gas	223	MMBTU/H	2 boilers	Minimum thermal design efficiency of 75 percent	63796	T/YR		0			0		
*WV-0029	HARRISON COUNTY POWER PLANT	3/27/2018	Auxiliary Boiler	Natural Gas	77.8	mmBtu/hr	Annual emission based on 4600 hours/year.	Use of Natural Gas	9107	LB/HR		20837	TONS/YEAR		9107	LB/HR	
*WV-0031	MCKINBIRD HILL COMPRESSOR STATION	6/14/2018	WH-1 - Boiler	Natural Gas	8.72	mmBtu/hr	Limited to natural gas; and tune-up the boiler once every five years.	Used to generated heat for the new building associated with the project during the heating season.	0			0			4468	TON/YEAR	12-MONTH ROLLING
*WV-0031	MCKINBIRD HILL COMPRESSOR STATION	6/14/2018	EG-1 - Auxiliary (Emergency)	Natural Gas	755	hp	Used to supply electrical power to the facility in the event of loss of service from the local provider.	Engine Manufacturer's design; limited to natural gas; and tune-up the engine once	0			0			161	TON/YEAR	12-MONTH ROLLING
*AK-0083	KENAI NITROGEN OPERATIONS	1/6/2015	Five (5) Waste Heat Boilers	Natural Gas	50	MMBtu/hr	Five (5) Natural Gas-Fired 50 MMBtu/hr Waste Heat Boilers. Installed in 1986.		59.61	TONS/MMCF	3-HR AVG	131405	T/YR	COMBINED	0		
AL-0231	NUCOR DECATUR LLC	6/12/2007	VACUUM DEGASSER BOLLER	NATURAL GAS	95	MMBTU/H			0.061	LB/MMBTU		5.8	LB/H		0		
*AL-0282	LENZING FIBERS, INC.	1/22/2014	Natural Gas Fired Boilers (3)	Natural Gas	100	mm btu/hr		Good combustion practices	112508	T/YR	12 - MONTH ROLLING	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler	natural gas	60.1	mmBtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period		17313	T/YR	12-MONTH ROLLING TOTAL	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	auxiliary boiler	natural gas	60.1	mmBtu/hr	fuel limit of 288.7 million cubic feet of natural gas per 12-month rolling period		17313	T/YR	12-MONTH ROLLING TOTAL	0			0		
*IN-0158	ST. JOSEPH ENERGY CENTER, LLC	12/3/2012	TWO (2) NATURAL GAS AUXILIARY BOILERS	NATURAL GAS	80	MMBTU/H	BOTH BOILERS, LABELED AS B001 AND B002, ARE EQUIPPED WITH LOW NOX BURNERS WITH FLUE GAS REGULATION. THIS IS CONSIDERED A STEAM GENERATING UNIT.	OPERATION AND MAINTENANCE PRACTICES; COMBUSTION TURNING; OXYGEN TRIM CONTROLS & ANALYZERS; ECONOMIZER; ENERGY EFFICIENT REFRACTORY; CONDENSATE RETURN SYSTEM; INSULATE STEAM AND HOT LINES.	81996	T/YR	12 CONSECUTIVE MONTH PERIOD	80 % HHV		0			
*MA-0039	SALEM HARBOR STATION REDEVELOPMENT	1/30/2014	Auxiliary Boiler	Natural Gas	80	MMBtu/hr			119	LB/MMBTU		0			0		
*MI-0410	THEFTFORD GENERATING STATION	7/25/2013	FGAUXBOILERS: Two auxiliary boilers A&B; 100 MMBTU/H heat input each	natural gas	100	each	There are two auxiliary boilers each rated at less than 100 MMBTU/H heat input. Fuel usage limited to not more than 416.3 MMcf of natural gas in each boiler per 12-month rolling timeperiod as determined at the end of each month.	Efficient combustion; energy efficiency.	24304	T/YR	12-MO ROLL TIME PERIOD EACH MONTH	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler B (EU/AUXBOILERB)	natural gas	95	MMBTU/H	One natural gas-fired auxiliary boiler rated at 95 MMBtu/hr fuel heat input (EU/AUXBOILERB within flexible group FGAUXBOILERS).	Good combustion practices	49251	T/YR	12-MO ROLLING TIME PERIOD	0			0		
*MI-0412	HOLLAND BOARD OF PUBLIC WORKS - EAST 5TH STREET	12/4/2013	Auxiliary Boiler A (EU/AUXBOILER A)	natural gas	55	MMBTU/H	One natural gas-fired auxiliary boiler rated at 55 MMBTU/hr fuel heat input (EU/AUXBOILER A within flexible group FGAUXBOILERS).	Good combustion practices	28514	T/YR	12-MO ROLLING TIME PERIOD	0			0		
*OH-0352	OREGON CLEAN ENERGY CENTER	6/18/2013	Auxiliary Boiler	Natural Gas	99	MMBtu/H	99 MMBTU/H auxiliary boiler with low-NOx burners and flue gas re-circulation, burning only natural gas. Boiler restricted to 2000 hours of operation per rolling 12-months.		11671	T/YR	PER ROLLING 12-MONTHS	0			0		
*OR-0050	TROUTDALE ENERGY CENTER, LLC	3/5/2014	Auxiliary boiler	natural gas	39.8	MMBtu/hr		Clean fuels	117	LB CO2/MMBTU	3-HR BLOCK AVERAGE	0			0		
*OR-0050	TROUTDALE ENERGY CENTER, LLC	3/5/2014	Auxiliary boiler	natural gas	39.8	MMBtu/hr		Clean fuels	117	LB CO2/MMBTU	3-HR BLOCK AVERAGE	0			0		
*PA-0291	HICKORY RUN ENERGY STATION	4/23/2013	AUXILIARY BOLLER	Natural Gas	40	MMBTU/H			13696	T/YR	12-MONTH ROLLING BASIS	0			0		
*PA-0296	BERKS HOLLOW ENERGY ASSOC. LLC/ONTELAUNEE	12/17/2013	Auxiliary Boiler (Commercial Institute onal-Site)	Natural Gas	40	MMBtu/hr			12346	T/YR		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPPT)	11/6/2015	Boilers/Furnaces (Commercial Institute onal-Site)	natural gas	40	MMBtu/hr	Hot oil heater	Good combustion practice to ensure complete combustion.	20758	T/YR		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPPT)	11/6/2015	Boilers/Furnaces (Commercial Institute onal-Site)	natural gas	95.7	MMBtu/hr	Three boilers will be used intermittently to provide steam for heating tanks or railcars as necessary to reduce viscosity of heavy liquids.	Good combustion practices and use of low carbon fuel	119195	T/YR		0			0		
*TX-0772	PORT OF BEAUMONT PETROLEUM TRANSLOAD TERMINAL (PBPPT)	11/6/2015	Boilers/Furnaces (Commercial Institute onal-Site)	natural gas	13.2	MMBtu/hr	Boiler will be operated continuously to maintain system temperatures in the intermittent boilers and heavy liquid storage tanks.	Good combustion practice to ensure complete combustion.	6850	T/YR		0			0		
*WY-0075	CHEYENNE PRAIRIE GENERATING STATION	7/16/2014	Auxiliary Boiler	natural gas	25.06	MMBtu/h		good combustion practices and energy efficiency	12855	T/YR	12 MONTH ROLLING	0			0		
	Footprint Power Salem Harbor Development LP		Auxiliary Boiler	Natural Gas	80	MMBtu/hr		Pipeline quality NG	119	LB/MMBTU	1-hr average						
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr			0.151	LB/H	3-hr rolling						
	Hess Newark Energy Center		Auxiliary Boiler	Natural Gas	66.2	MMBtu/hr			7788	LB/H							
	Kalamazoo Energy Center		Auxiliary Boiler	Natural Gas	159870	rolling			9353	T/YR	12-mo rolling						
	Kalamazoo Energy Center		Auxiliary Boiler	Natural Gas	159870	rolling			9353	T/YR	12-mo rolling						
	St. Joseph's Energy Center		Auxiliary Boilers #1 and #7	Natural Gas	85	MMBtu/hr			81996	T/YR	12 months						
	Woodbridge Energy Center		Auxiliary Boiler	Natural Gas	180	MMcf/yr			2000	hrs/year operation							